

# Relatório geral da instalação – Bacia nº 01

## 1. Descrição da rede de saneamento

- Título: BACIA Nº01
- Cidade: Buritizeiro
- Data: 20/04/2007

A velocidade da instalação deverá permanecer acima do mínimo estabelecido, para evitar sedimentação, incrustação e estancamento, e abaixo do máximo, para que não se produza erosão.

## 2. Descrição dos materiais utilizados

Os materiais utilizados para esta instalação são:

TUBOS PVC - Coeficiente de Manning: 0.01000

Descrição	Geometria	Dimensão	Diâmetros mm
DN150	Circular	Diâmetro	150.0
DN200	Circular	Diâmetro	200.0
DN250	Circular	Diâmetro	250.0
DN300	Circular	Diâmetro	300.0
DN350	Circular	Diâmetro	350.0
DN400	Circular	Diâmetro	400.0

O diâmetro a utilizar será calculado de forma que a velocidade no conduto não exceda a velocidade máxima e ultrapasse a velocidade mínima estabelecidas para o cálculo.

## 3. Descrição de Solos

As características dos solos a escavar serão detalhadas em seguida.

Descrição	Leito cm	Reaterro cm	Largura mínima cm	Distância lateral cm	Talude
Solos coesivos	20	20	65	13	0/3

## 4. Formulação

Para o cálculo de condutos de saneamento, emprega-se a fórmula de Manning - Strickler.

$$Q = \frac{A \cdot R_h^{2/3} \cdot S_o^{1/2}}{n}$$

$$v = \frac{R_h^{2/3} \cdot S_o^{1/2}}{n}$$

onde:

- Q é a vazão em m³/s
- v é a velocidade do fluido em m/s
- A é a seção da lâmina do fluido (m²).
- Rh é o raio hidráulico da lâmina de fluido (m).
- So é a inclinação do solo do canal (desnível por comprimento de conduto).
- n é o coeficiente de Manning.

## 5. Combinações

A seguir são detalhadas as hipóteses utilizadas nas contribuições, e as combinações que são realizadas ponderando os valores concedidos para cada hipótese.

Combinação	Hipóteses Esaotos
Esaotos	1.00

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### 6. Resultados

#### 6.1 Relatório de nós

Combinação: Esgotos				
Nó	Cota m	Prof. Poço de visita m	Vazão sim. l/s	Coment.
ETE2	482.73	2.00	102.14	
PV1	502.79	2.68	0.00	
PV2	534.19	1.37	0.76	
PV3	533.83	2.27	0.29	
PV4	527.40	2.50	0.02	
PV5	534.67	1.31	0.67	
PV6	534.17	2.00	0.23	
PV7	533.82	2.60	0.35	
PV8	511.18	1.54	0.41	
PV9	533.34	2.60	0.14	
PV10	532.73	2.99	0.00	
PV11	532.68	2.95	0.02	
PV13	531.13	3.41	0.01	
PV14	531.92	2.90	0.01	
PV15	530.70	2.45	0.01	
PV16	528.98	2.00	0.00	
PV17	527.45	2.00	0.01	
PV18	525.59	2.00	0.01	
PV19	523.73	2.00	0.00	
PV20	522.88	2.40	0.01	
PV21	529.29	2.73	0.01	
PV22	527.18	2.51	0.00	
PV23	524.87	2.51	0.00	
PV24	522.19	2.21	0.00	
PV25	520.19	2.21	0.01	
PV26	517.61	1.80	0.01	
PV27	519.78	2.20	0.01	
PV29	534.07	1.42	0.82	
PV30	533.87	2.30	0.29	
PV31	533.69	2.77	0.23	
PV32	533.30	3.10	0.13	
PV35	532.74	3.20	0.13	
PV36	531.99	3.00	0.13	
PV37	530.96	2.50	0.01	
PV39	529.82	2.50	0.01	
PV40	528.49	2.50	0.00	
PV41	526.36	2.00	0.01	
PV42	525.08	2.00	0.01	
PV43	522.26	1.80	0.00	
PV44	520.14	1.50	0.01	
PV45	518.64	1.30	0.01	
PV46	533.53	1.20	0.70	
PV47	533.42	2.25	0.23	
PV48	533.13	2.77	0.11	
PV49	532.60	3.04	0.11	
PV51	531.89	3.06	0.11	
PV52	530.93	2.96	0.11	

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PV53	529.73	2.76	0.01
PV55	528.35	2.42	0.01
PV56	526.88	2.46	0.00
PV57	525.11	1.98	0.01
PV59	523.08	1.50	0.01
PV60	521.06	1.21	0.00
PV61	519.01	1.21	0.01
PV62	517.43	1.21	0.01
PV63	532.44	1.32	0.70
PV64	531.77	1.80	0.18
PV66	530.73	1.80	0.06
PV67	529.51	1.80	0.01
PV68	528.23	1.80	0.01
PV70	526.77	1.80	0.01
PV71	525.29	1.80	0.00
PV72	523.64	1.80	0.01
PV74	521.87	1.80	0.01
PV75	520.17	1.80	0.00
PV76	518.31	1.80	0.01
PV77	516.57	1.80	0.01
PV78	514.16	1.50	0.01
PV79	530.77	1.20	0.70
PV80	529.49	1.20	0.12
PV81	528.22	1.20	0.06
PV82	526.80	1.20	0.01
PV84	525.16	1.20	0.01
PV85	523.59	1.20	0.00
PV86	522.08	1.20	0.01
PV88	520.46	1.20	0.01
PV89	518.83	1.20	0.00
PV90	517.02	1.20	0.01
PV91	515.60	1.20	0.01
PV92	513.99	1.80	0.01
PV93	525.05	1.20	0.70
PV94	523.50	1.20	0.12
PV95	521.95	1.20	0.00
PV96	520.53	1.20	0.11
PV98	518.95	1.20	0.01
PV99	517.31	1.20	0.00
PV100	515.77	1.20	0.01
PV101	514.50	1.20	0.01
PV102	513.26	2.30	0.01
PV103	520.88	1.20	0.58
PV105	518.95	1.20	0.11
PV107	516.89	1.20	0.11
PV108	514.71	2.01	0.01
PV109	514.51	2.21	0.01
PV110	516.53	2.01	0.00
PV111	515.62	2.01	0.00
PV112	513.90	1.20	0.37
PV114	514.20	1.50	0.82
PV115	513.27	2.20	0.23
PV116	512.88	3.21	0.00
PV117	512.38	3.20	0.00

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PV118	511.06	2.80	0.00
PV119	510.14	2.45	0.00
PV120	512.59	2.30	0.01
PV121	511.85	2.20	0.00
PV122	517.81	1.20	0.01
PV124	516.44	1.21	0.01
PV131	512.60	3.22	0.29
PV132	511.15	2.63	0.01
PV133	512.70	1.20	0.70
PV135	512.66	2.45	0.23
PV139	510.24	2.13	0.01
PV140	508.63	1.22	0.12
PV141	510.22	1.51	0.58
PV142	510.17	2.79	0.18
PV143	511.12	3.26	0.29
PV144	510.98	3.90	0.00
PV145	510.09	3.90	0.00
PV146	508.62	1.94	0.01
PV147	508.65	2.62	0.01
PV148	508.59	3.22	0.00
PV149	506.68	2.22	0.00
PV150	505.52	2.52	0.00
PV151	502.89	1.53	0.00
PV153	503.62	1.20	0.53
PV154	503.38	1.36	0.01
PV155	503.00	1.44	0.01
PV159	508.87	1.50	0.47
PV160	508.43	2.80	0.00
PV161	504.80	1.30	0.00
PV162	506.91	1.20	0.35
PV164	505.61	2.80	0.00
PV165	504.16	2.30	0.00
PV166	502.89	3.20	0.00
PV167	502.65	1.55	0.01
PV168	502.32	1.35	0.00
PV169	502.41	1.63	0.00
PV171	509.76	1.20	0.41
PV172	507.74	1.74	0.01
PV173	505.47	1.73	0.01
PV176	509.09	1.50	0.41
PV177	507.23	1.72	0.01
PV178	505.34	1.80	0.01
PV179	502.43	1.78	0.00
PV180	502.41	1.82	0.00
PV181	504.03	2.09	0.01
PV183	508.82	1.20	0.41
PV184	506.88	1.20	0.01
PV186	505.14	2.11	0.01
PV187	503.84	2.33	0.01
PV188	533.34	2.71	0.00
PV189	507.28	2.15	0.07
PV190	506.11	2.10	0.01
PV191	505.28	2.30	0.01
PV192	503.88	2.30	0.01

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PV193	502.78	2.82	0.00
PV195	510.61	1.20	0.47
PV196	509.96	2.45	0.01
PV197	508.22	2.10	0.01
PV198	507.51	1.20	0.35
PV199	505.11	1.80	0.01
PV201	503.46	1.75	0.06
PV202	502.66	2.75	0.00
PV203	502.23	2.46	0.00
PV204	504.92	1.34	0.35
PV205	503.95	1.82	0.01
PV207	502.03	2.42	0.00
PV208	501.78	2.35	0.00
PV209	501.80	2.54	0.00
PV210	501.05	1.85	0.00
PV211	501.39	2.31	0.00
PV212	502.06	3.11	0.00
PV213	502.29	3.41	0.00
PV214	503.55	1.20	0.47
PV215	503.58	2.80	0.01
PV218	526.98	1.20	0.23
PV220	523.19	1.20	0.14
PV222	524.35	1.20	0.23
PV223	521.09	1.68	0.01
PV224	519.82	1.64	0.01
PV225	517.26	1.81	0.01
PV226	516.43	1.67	0.01
PV227	515.78	1.67	0.01
PV228	513.63	1.21	0.01
PV230	526.79	1.20	0.01
PV231	524.48	1.20	0.32
PV232	520.96	1.51	0.01
PV233	519.10	1.51	0.01
PV235	520.77	1.20	0.58
PV236	518.82	1.20	0.00
PV237	516.68	1.20	0.01
PV238	530.24	1.20	0.58
PV240	529.20	1.20	0.58
PV241	525.27	1.20	0.06
PV242	524.17	1.20	0.00
PV243	522.41	1.20	0.01
PV245	519.84	1.20	0.00
PV246	517.80	1.20	0.01
PV247	517.00	1.20	0.01
PV248	531.29	2.20	0.01
PV250	529.01	1.20	0.11
PV251	527.78	1.20	0.01
PV253	526.48	1.20	0.01
PV254	525.19	1.20	0.00
PV255	523.89	1.20	0.01
PV257	521.69	1.20	0.00
PV258	519.86	3.00	0.00
PV259	518.24	2.50	0.00
PV260	516.05	2.50	0.01

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PV261	514.78	1.20	0.00
PV262	512.72	1.20	0.01
PV263	511.49	1.21	0.01
PV265	533.70	1.20	0.47
PV266	532.48	2.00	0.11
PV267	530.16	2.50	0.01
PV268	529.04	2.50	0.01
PV270	528.00	2.15	0.01
PV271	526.88	2.15	0.00
PV272	525.61	2.15	0.01
PV274	523.22	2.20	0.00
PV275	520.60	2.00	0.00
PV277	533.02	2.00	0.47
PV278	531.59	2.53	0.11
PV280	532.44	1.20	0.47
PV281	530.74	1.50	0.11
PV283	531.60	1.20	0.47
PV284	529.80	1.20	0.11
PV286	529.94	1.20	0.47
PV287	528.36	1.40	0.11
PV289	528.26	1.20	0.35
PV290	526.94	2.00	0.11
PV292	525.69	1.20	0.32
PV293	524.14	2.20	0.23
PV295	523.57	1.40	0.26
PV296	522.64	2.60	0.01
PV298	535.13	1.36	0.41
PV299	534.92	3.00	0.88
PV301	534.61	1.57	0.41
PV302	534.43	3.10	0.01
PV304	534.28	1.67	0.41
PV305	534.14	3.50	0.01
PV307	533.51	1.99	0.41
PV308	533.40	3.50	0.01
PV310	531.93	1.20	0.41
PV311	531.32	2.50	0.00
PV313	530.20	1.20	0.41
PV314	529.59	2.50	0.00
PV316	528.01	1.20	0.35
PV317	527.25	2.50	0.00
PV319	525.42	1.20	0.35
PV320	524.51	2.50	0.00
PV322	523.16	1.20	0.35
PV323	522.35	2.50	0.00
PV325	520.55	1.20	0.35
PV326	519.73	2.50	0.00
PV328	518.26	1.20	0.35
PV329	517.16	2.45	0.00
PV330	535.16	3.20	0.70
PV331	535.26	1.47	0.41
PV333	535.35	1.20	0.58
PV334	534.65	3.40	0.11
PV335	534.72	1.47	0.43
PV337	534.79	1.20	0.11

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PV338	534.24	3.75	0.11
PV339	534.33	1.46	0.43
PV341	534.41	2.35	0.11
PV343	533.74	3.75	0.11
PV344	533.68	1.52	0.58
PV345	533.62	2.70	0.11
PV346	532.96	3.50	0.02
PV348	532.75	1.33	0.51
PV349	532.55	2.70	0.00
PV350	531.59	3.00	0.02
PV352	531.20	1.20	0.43
PV353	530.81	2.50	0.00
PV354	529.72	2.50	0.02
PV356	529.24	1.20	0.41
PV357	528.76	2.50	0.00
PV360	526.87	1.20	0.41
PV361	526.33	2.40	0.00
PV362	524.99	2.50	0.02
PV364	524.48	1.20	0.43
PV365	523.97	2.40	0.00
PV366	522.84	2.50	0.02
PV368	522.10	1.20	0.41
PV369	521.37	2.40	0.00
PV370	520.82	2.50	0.02
PV372	519.74	1.20	0.27
PV374	518.94	2.15	0.00
PV376	535.04	1.41	0.41
PV377	535.08	3.04	0.35
PV379	534.58	1.45	0.41
PV380	534.51	3.50	0.01
PV382	534.13	1.59	0.43
PV383	534.01	3.78	0.01
PV385	533.38	1.50	0.37
PV386	533.02	3.46	0.01
PV387	532.08	3.21	0.01
PV388	532.52	1.50	0.32
PV390	530.78	3.21	0.01
PV391	531.19	1.50	0.32
PV393	529.47	3.21	0.00
PV394	529.59	1.57	0.41
PV396	528.22	3.21	0.01
PV398	527.81	1.20	0.41
PV399	526.84	3.21	0.00
PV401	525.91	1.40	0.39
PV402	525.64	3.21	0.01
PV404	524.24	1.20	0.29
PV405	523.85	2.51	0.00
PV407	522.24	1.20	0.35
PV411	539.66	1.20	0.41
PV412	539.23	2.50	0.76
PV413	538.41	3.08	0.11
PV414	538.88	2.89	0.11
PV415	537.98	3.30	0.11
PV418	539.31	1.57	0.29

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PV420	538.85	3.37	0.76
PV421	538.86	1.57	0.44
PV423	538.36	3.20	0.74
PV424	538.45	1.50	0.55
PV426	538.54	3.74	0.11
PV428	537.91	3.40	0.01
PV430	537.98	1.51	0.43
PV431	538.06	3.94	0.23
PV432	537.48	3.50	0.01
PV433	537.58	1.52	0.39
PV435	537.67	4.14	0.29
PV437	537.56	3.48	0.11
PV438	537.13	3.65	0.11
PV439	536.73	3.82	0.29
PV440	536.25	3.81	0.23
PV441	535.87	3.96	0.11
PV442	535.37	3.97	0.11
PV443	534.86	3.99	0.11
PV444	537.17	4.14	0.11
PV445	536.74	4.24	0.11
PV447	536.24	4.19	0.11
PV448	535.88	4.27	0.01
PV450	535.43	4.24	0.01
PV451	534.90	4.24	0.01
PV453	537.12	3.58	0.01
PV454	537.14	1.57	0.41
PV455	536.76	3.60	0.01
PV456	536.75	1.57	0.39
PV457	536.33	3.60	0.01
PV459	536.29	1.55	0.39
PV460	535.99	3.80	0.01
PV461	535.93	1.53	0.35
PV462	535.62	3.90	0.01
PV464	535.53	1.51	0.33
PV465	535.22	3.90	0.00
PV467	535.06	1.44	0.33
PV468	534.20	3.87	0.01
PV469	533.54	3.72	0.00
PV470	532.69	3.50	0.00
PV471	531.85	3.21	0.00
PV472	531.14	3.21	0.00
PV473	530.44	3.01	0.00
PV474	529.59	2.81	0.00
PV475	528.74	2.71	0.00
PV476	527.22	2.51	0.00
PV477	525.69	2.21	0.00
PV478	534.85	3.90	0.00
PV480	534.67	1.44	0.29
PV481	534.49	4.24	0.01
PV482	534.48	3.90	0.00
PV484	534.13	1.40	0.32
PV485	533.79	3.94	0.00
PV487	534.01	3.90	0.00
PV489	533.47	1.20	0.33



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PV490	532.93	3.54	0.00
PV491	533.71	4.00	0.00
PV493	533.04	1.20	0.32
PV494	532.36	3.44	0.00
PV496	533.39	4.05	0.00
PV498	532.69	1.20	0.29
PV499	531.99	3.64	0.00
PV502	532.51	1.40	0.29
PV503	531.76	3.94	0.00
PV505	532.90	4.29	0.00
PV507	532.08	1.60	0.29
PV508	531.25	3.94	0.00
PV509	532.48	4.25	0.00
PV511	531.46	1.80	0.29
PV512	530.44	3.74	0.00
PV514	531.69	4.00	0.00
PV516	530.47	1.60	0.29
PV517	529.26	3.54	0.00
PV518	530.67	4.04	0.00
PV520	528.94	1.20	0.47
PV522	527.52	3.24	0.00
PV542	533.25	4.27	0.00
PV547	537.65	1.27	0.41
PV548	537.40	2.80	0.41
PV549	537.35	3.14	0.29
PV550	537.30	1.41	0.41
PV551	537.12	3.50	0.01
PV552	536.86	3.83	0.12
PV553	536.99	1.46	0.41
PV554	536.37	3.78	0.00
PV555	536.58	1.44	0.35
PV556	535.96	3.78	0.00
PV557	536.15	1.41	0.35
PV558	535.72	3.91	0.00
PV559	535.34	3.91	0.00
PV560	534.75	3.70	0.00
PV561	534.99	1.37	0.35
PV562	533.94	3.29	0.00
PV563	534.40	1.20	0.35
PV564	533.13	2.85	0.00
PV565	533.80	1.20	0.41
PV566	532.82	2.92	0.00
PV567	533.41	1.20	0.41
PV568	533.26	3.71	0.00
PV569	533.49	1.62	0.41
PV570	533.54	4.34	0.00
PV571	533.13	1.34	0.35
PV572	533.40	4.54	0.00
PV573	533.32	1.68	0.32
PV575	532.50	3.98	0.00
PV576	532.70	1.80	0.40
PV577	531.43	3.28	0.00
PV578	531.95	1.20	0.33
PV579	530.82	3.02	0.00

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PV580	531.25	1.20	0.41
PV581	530.62	3.18	0.00
PV582	531.16	4.12	0.01
PV585	529.80	2.21	0.76
PV586	530.22	3.64	0.06
PV588	529.40	3.80	0.01
PV590	527.76	3.20	0.01
PV592	526.46	2.70	0.01
PV595	529.48	2.00	0.29
PV596	528.06	2.00	0.25
PV597	526.52	2.00	0.23
PV598	529.23	3.50	0.00
PV599	527.99	3.20	0.00
PV600	527.38	3.05	0.00
PV602	526.49	2.90	0.00
PV603	525.30	2.90	0.00
PV604	524.16	2.50	0.00
PV606	527.16	1.20	0.06
PV607	525.42	1.20	0.01
PV609	523.65	1.20	0.01
PV610	525.64	3.14	0.01
PV611	523.69	2.94	0.01
PV613	521.85	2.94	0.01
PV614	524.07	2.21	0.01
PV615	522.14	2.01	0.00
PV617	520.16	1.81	0.01
PV618	522.27	2.31	0.01
PV619	520.39	2.31	0.00
PV621	520.46	2.08	0.18
PV622	518.54	2.65	0.11
PV624	518.83	2.50	0.02
PV625	516.84	2.50	0.02
PV627	517.60	2.09	0.11
PV628	515.44	2.10	0.11
PV630	516.40	2.15	0.01
PV631	514.28	2.05	0.01
PV632	515.46	1.20	0.41
PV633	514.87	2.20	0.00
PV634	522.69	2.20	0.01
PV635	521.20	1.93	0.01
PV636	520.11	1.93	0.01
PV637	518.86	1.93	0.01
PV638	517.93	1.93	0.01
PV639	516.85	1.93	0.01
PV640	515.84	1.93	0.01
PV641	514.54	1.93	0.01
PV642	513.03	1.93	0.00
PV643	511.86	1.93	0.00
PV644	510.69	1.93	0.01
PV645	509.75	1.93	0.00
PV646	508.80	1.93	0.00
PV647	507.65	1.93	0.00
PV648	506.49	1.93	0.00
PV649	505.41	1.93	0.00

## Relatório geral da instalação – Bacia nº 01

PV650	504.32	1.93	0.00
PV651	503.31	2.60	0.00
PV652	502.28	2.85	0.01
PV653	501.24	3.01	0.00
PV654	500.37	3.00	0.01
PV658	516.93	1.20	0.47
PV659	515.85	2.11	0.01
PV660	514.50	2.60	0.01
PV661	521.93	1.20	0.01
PV663	520.20	1.20	0.01
PV664	518.40	1.20	0.01
PV665	517.19	1.20	0.01
PV667	516.70	1.71	0.00
PV668	515.47	1.49	0.00
PV669	515.27	1.54	0.00
PV671	513.25	1.21	0.00
PV672	511.10	1.51	0.00
PV673	519.97	2.94	0.01
PV675	518.32	2.74	0.01
PV676	516.43	2.74	0.01
PV677	514.01	2.74	0.00
PV678	511.33	2.24	0.00
PV679	514.96	1.20	0.29
PV680	512.38	1.20	0.00
PV682	513.54	1.20	0.32
PV683	512.25	1.50	0.76
PV684	511.63	1.87	0.00
PV686	510.85	1.84	0.00
PV687	510.47	2.24	0.00
PV688	510.27	2.59	0.00
PV689	510.16	3.17	0.00
PV690	518.21	1.51	0.00
PV692	516.56	1.51	0.00
PV693	514.45	1.41	0.00
PV694	518.42	2.01	0.01
PV695	516.51	2.01	0.00
PV697	514.55	1.81	0.00
PV698	512.58	1.51	0.00
PV699	512.39	2.01	0.00
PV700	516.82	3.10	0.01
PV701	514.80	2.68	0.01
PV703	512.96	2.17	0.01
PV704	511.02	1.50	0.01
PV705	510.51	1.72	0.18
PV706	509.67	2.32	0.01
PV707	508.51	2.30	0.23
PV708	508.24	2.73	0.00
PV709	507.85	2.85	0.00
PV710	506.85	2.80	0.00
PV711	505.19	2.37	0.00
PV712	515.09	2.50	0.02
PV713	513.07	2.20	0.02
PV715	511.45	2.00	0.02
PV716	509.56	1.90	0.02

## Relatório geral da instalação – Bacia nº 01

PV717	508.93	1.80	0.02
PV718	508.25	1.70	0.01
PV719	507.30	1.50	0.01
PV720	506.39	1.40	0.01
PV721	506.07	1.50	0.00
PV722	505.37	3.52	0.00
PV723	513.42	2.02	0.11
PV724	511.54	2.02	0.11
PV726	510.62	2.41	0.11
PV727	508.23	1.58	0.11
PV728	508.06	2.18	0.01
PV729	512.49	2.05	0.01
PV730	510.36	1.65	0.01
PV731	508.97	1.65	0.01
PV732	507.55	1.36	0.01
PV734	512.99	1.20	0.12
PV735	512.74	2.20	0.01
PV736	511.12	2.20	0.01
PV737	509.64	2.07	0.01
PV738	508.49	2.30	0.01
PV739	507.24	2.49	0.01
PV740	505.16	2.03	0.01
PV741	511.29	2.00	0.29
PV742	511.02	2.80	0.01
PV743	510.16	2.90	0.01
PV744	508.94	2.70	0.01
PV745	511.50	1.20	0.22
PV747	508.44	3.17	0.01
PV748	507.27	3.03	0.01
PV749	508.88	1.20	0.39
PV751	506.07	2.78	0.00
PV752	504.86	2.56	0.01
PV753	506.92	1.20	0.30
PV754	504.29	2.94	0.00
PV755	503.71	2.95	0.01
PV756	505.15	1.50	0.21
PV757	503.09	3.20	0.00
PV758	502.46	3.20	0.01
PV759	503.44	1.50	0.23
PV760	502.10	1.20	0.30
PV761	501.08	2.50	0.58
PV767	500.31	3.23	0.01
PV768	500.74	2.97	0.23
PV769	510.61	1.68	0.00
PV770	509.22	2.01	0.00
PV771	507.39	2.01	0.00
PV772	506.10	2.41	0.00
PV774	507.86	1.51	0.23
PV775	507.01	2.40	0.00
PV777	506.31	1.20	0.35
PV779	505.40	2.14	0.20
PV780	504.57	2.51	0.00
PV781	504.43	3.04	0.00
PV782	503.57	2.81	0.00

## Relatório geral da instalação – Bacia nº 01

PV783	505.27	1.80	0.20
PV785	502.55	2.41	0.00
PV787	503.28	1.20	0.11
PV789	502.69	1.20	0.28
PV791	502.11	2.87	0.00
PV792	501.52	2.31	0.00
PV793	500.84	2.41	0.00
PV794	500.16	3.33	0.00
PV795	500.21	1.20	0.32
PV797	501.11	2.81	0.01
PV798	506.45	1.59	0.01
PV799	505.62	1.60	0.01
PV800	504.32	1.37	0.01
PV802	504.31	1.76	0.00
PV803	503.71	1.48	0.00
PV804	503.69	1.71	0.00
PV805	503.67	3.07	0.00
PV806	503.53	3.68	0.00
PV807	502.69	3.73	0.00
PV808	501.05	3.28	0.00
PV809	500.44	3.61	0.00
PV812	502.94	1.20	0.53
PV813	502.13	2.25	0.60
PV814	501.91	3.13	0.06
PV815	501.57	3.60	0.00
PV816	501.99	1.90	0.41
PV817	504.00	2.50	0.01
PV818	502.69	2.80	0.01
PV819	501.40	4.00	0.00
PV820	500.88	3.64	0.00
PV821	500.62	3.56	0.00
PV822	500.73	3.79	0.00
PV824	503.10	1.20	0.41
PV825	502.83	2.50	0.01
PV826	501.63	3.00	0.01
PV827	501.63	3.25	0.01
PV828	500.01	3.39	0.00
PV829	500.89	1.20	0.35
PV830	499.76	2.00	0.01
PV832	499.77	3.29	0.00
PV833	499.37	3.04	0.00
PV834	499.08	2.88	0.00
PV835	498.87	2.79	0.00
PV836	498.57	2.65	0.00
PV837	498.46	2.73	0.00
PV838	498.45	2.88	0.00
PV839	498.48	3.09	0.00
PV840	498.36	3.11	0.00
PV841	499.31	1.50	0.22
PV843	497.06	2.00	0.00
PV845	496.25	2.93	0.00
PV850	498.12	3.27	0.00
PV851	498.91	4.26	0.00
PV852	499.48	4.99	0.00

## Relatório geral da instalação – Bacia nº 01

PV853	499.61	5.30	0.00
PV854	499.96	3.85	0.01
PV855	499.13	3.60	0.01
PV857	524.26	1.20	0.57
PV858	523.99	2.33	0.11
PV859	523.00	2.25	0.11
PV862	522.04	2.60	0.11
PV863	520.99	2.60	0.11
PV865	519.98	2.60	0.11
PV866	518.94	2.40	0.11
PV868	517.80	2.00	0.01
PV869	516.48	2.00	0.01
PV870	514.75	1.80	0.01
PV872	513.70	1.80	0.01
PV873	512.66	1.80	0.01
PV874	526.68	1.20	0.57
PV875	525.84	1.80	0.11
PV876	525.04	2.10	0.29
PV878	523.98	2.10	0.01
PV879	523.05	2.40	0.01
PV881	522.08	2.40	0.01
PV882	521.04	2.40	0.01
PV884	519.03	2.00	0.01
PV885	517.02	1.50	0.01
PV886	516.54	1.80	0.00
PV888	515.43	1.44	0.00
PV889	514.31	1.21	0.01
PV891	513.03	1.21	0.00
PV892	511.75	2.01	0.00
PV894	510.26	2.01	0.01
PV895	508.77	2.01	0.00
PV897	507.53	2.01	0.01
PV898	506.29	2.01	0.00
PV900	504.95	3.01	0.00
PV902	503.76	3.01	0.01
PV903	502.57	3.01	0.00
PV905	501.77	3.01	0.01
PV906	500.97	3.01	0.00
PV908	510.49	1.20	0.39
PV909	507.80	1.20	0.32
PV910	505.18	1.20	0.40
PV911	504.15	1.50	0.33
PV912	501.88	1.80	0.34
PV913	500.40	2.15	0.14
PV914	500.71	1.20	0.53
PV916	519.37	1.20	0.41
PV917	517.02	2.00	0.01
PV918	519.12	1.20	0.47
PV919	517.59	1.95	0.01
PV920	515.59	2.30	0.01
PV921	514.84	2.50	0.01
PV922	516.41	1.20	0.23
PV924	513.65	2.50	0.01
PV925	510.23	1.20	0.01

## Relatório geral da instalação – Bacia nº 01

PV926	510.24	2.00	0.35
PV927	508.53	1.20	0.41
PV928	507.07	2.00	0.12
PV929	505.85	2.25	0.01
PV930	504.70	2.22	0.01
PV931	504.05	2.40	0.01
PV932	503.41	2.90	0.01
PV933	503.95	4.33	0.06
PV934	501.90	3.17	0.00
PV935	501.35	2.74	0.00
PV936	502.02	3.63	0.00
PV937	502.34	4.02	0.00
PV938	500.71	2.57	0.00
PV939	501.13	3.18	0.00
PV940	501.13	3.31	0.00
PV941	501.01	3.46	0.00
PV942	507.70	1.50	0.29
PV944	507.05	1.20	0.41
PV945	507.65	2.70	0.01
PV947	506.21	1.20	0.41
PV948	506.68	3.06	0.23
PV949	505.72	3.06	0.01
PV951	504.34	2.34	0.12
PV953	504.85	3.30	0.12
PV954	504.14	3.64	0.01
PV955	502.82	3.49	0.01
PV956	503.71	3.00	0.01
PV957	505.28	2.01	0.23
PV958	509.91	1.21	0.01
PV959	508.92	1.21	0.01
PV961	508.79	1.21	0.01
PV962	507.77	1.21	0.01
PV963	506.83	1.21	0.01
PV965	505.16	1.21	0.01
PV966	505.16	1.68	0.01
PV968	505.16	1.87	0.01
PV970	504.57	1.67	0.01
PV971	503.40	1.80	0.11
PV973	502.35	2.00	0.11
PV974	503.37	1.50	0.53
PV975	502.93	2.90	0.01
PV977	513.22	1.20	0.29
PV978	510.48	2.10	0.00
PV980	513.32	1.20	0.47
PV982	511.57	1.20	0.35
PV983	509.38	2.00	0.00
PV984	511.73	1.50	0.01
PV986	510.14	1.20	0.41
PV987	508.49	2.00	0.00
PV989	510.23	2.00	0.01
PV991	509.07	1.20	0.41
PV992	507.77	2.00	0.00
PV993	509.09	2.00	0.01
PV994	508.06	2.00	0.01

## Relatório geral da instalação – Bacia nº 01

PV996	506.79	2.00	0.00
PV998	506.76	2.31	0.18
PV999	505.79	2.51	0.01
PV1000	506.22	2.00	0.01
PV1001	505.27	2.00	0.11
PV1002	504.69	2.60	0.01
PV1003	503.16	2.40	0.01
PV1004	502.27	2.80	0.11
PV1006	507.23	2.00	0.00
PV1007	528.31	1.20	0.57
PV1009	527.63	1.85	0.11
PV1010	526.83	2.13	0.29
PV1012	525.93	2.16	0.01
PV1013	525.25	2.50	0.01
PV1015	524.27	2.51	0.01
PV1016	522.99	2.22	0.01
PV1018	521.77	2.11	0.01
PV1019	520.36	2.11	0.01
PV1020	518.88	2.01	0.00
PV1022	517.90	2.01	0.01
PV1023	516.53	2.01	0.01
PV1025	515.06	2.01	0.01
PV1026	513.32	2.01	0.01
PV1029	529.02	1.20	0.58
PV1030	528.45	1.86	0.29
PV1032	527.88	2.34	0.01
PV1033	527.29	2.81	0.01
PV1035	526.26	2.78	0.01
PV1036	524.95	2.50	0.01
PV1038	523.61	2.50	0.01
PV1039	522.28	2.50	0.01
PV1040	520.99	2.40	0.00
PV1042	519.59	2.40	0.01
PV1043	518.19	2.27	0.00
PV1045	516.02	2.00	0.00
PV1046	515.06	2.00	0.00
PV1048	513.42	2.00	0.01
PV1049	511.78	1.80	0.00
PV1051	510.07	1.80	0.01
PV1052	508.36	2.11	0.00
PV1054	506.11	1.90	0.00
PV1056	504.80	1.90	0.01
PV1057	503.48	2.37	0.00
PV1059	502.82	2.40	0.01
PV1060	502.14	3.50	0.00
PV1062	500.01	3.00	0.01
PV1063	497.18	3.27	0.00
PV1064	510.42	1.40	0.32
PV1065	507.48	1.20	0.35
PV1066	505.96	1.77	0.32
PV1067	503.14	1.20	0.32
PV1068	501.82	1.27	0.29
PV1069	499.04	4.88	0.00
PV1072	523.00	1.50	0.11



## Relatório geral da instalação – Bacia nº 01

PV1073	523.28	1.20	0.41
PV1074	521.76	2.00	0.00
PV1076	520.15	2.00	0.01
PV1077	518.78	2.00	0.00
PV1079	517.03	2.00	0.01
PV1080	515.22	2.00	0.00
PV1082	513.20	2.00	0.01
PV1083	510.84	2.00	0.00
PV1085	508.76	2.00	0.00
PV1087	506.72	2.00	0.01
PV1088	504.90	3.00	0.00
PV1090	503.60	2.50	0.01
PV1091	502.39	2.50	0.00
PV1092	499.57	2.50	0.01
PV1093	496.18	2.65	0.00
PV1094	496.28	2.56	0.00
PV1095	502.31	2.25	0.47
PV1096	504.12	1.20	0.41
PV1097	507.60	1.20	0.32
PV1098	509.60	1.20	0.32
PV1099	513.50	1.40	0.35
PV1100	516.92	1.40	0.29
PV1101	520.16	1.40	0.23
PV1103	525.80	1.20	0.35
PV1104	524.63	1.90	0.18
PV1106	523.31	1.90	0.01
PV1107	521.83	1.90	0.01
PV1109	520.11	1.90	0.01
PV1110	518.12	2.25	0.01
PV1112	515.80	2.25	0.00
PV1113	513.47	2.25	0.00
PV1115	510.88	2.25	0.00
PV1117	508.65	2.25	0.00
PV1118	506.15	1.80	0.00
PV1119	505.55	2.60	0.00
PV1120	509.98	1.20	0.32
PV1121	512.24	1.20	0.32
PV1122	516.89	1.20	0.27
PV1123	520.38	1.20	0.29
PV1124	523.25	1.20	0.32
PV1126	532.04	3.18	0.00
PV1146	501.12	2.96	0.01
PV1153	516.87	2.01	0.11

### 6.2 Relatório de trechos

Os valores negativos na vazão ou na velocidade indicam que o sentido de circulação é do nó final para o nó inicial.

Combinação: Esgotos

Início	Final	Comprimento m	Diâmetros mm	Inclinação %	Infiltração l/s	Vazão l/s	Profundidade mm	Velocidade m/s	Coment.
ETE2	PS313	39.64	DN400	0.50	0.0079	-102.15 -102.14	207.30 207.31	0.60	
PS1	PV2	87.00	DN150	0.47	0.0065	0.00 0.01	0.00 2.57	0.00 0.60	

## Relatório geral da instalação – Bacia nº 01

PS2	PV29	76.19	DN150	0.50	0.0057	0.00 0.01	0.00 2.38	0.00 0.60
PS3	PV46	69.82	DN150	0.77	0.0052	0.00 0.01	0.00 2.07	0.00 0.60
PS4	PV49	70.23	DN150	1.00	0.0053	0.00 0.01	0.00 1.95	0.00 0.60
PS5	PV53	70.52	DN150	1.74	0.0053	0.00 0.01	0.00 1.72	0.00 0.60
PS6	PV57	69.46	DN150	1.80	0.0052	0.00 0.01	0.00 1.70	0.00 0.60
PS7	PV42	88.92	DN150	2.14	0.0067	0.00 0.01	0.00 1.83	0.00 0.60
PS8	PV61	71.06	DN150	1.59	0.0053	0.00 0.01	0.00 1.76	0.00 0.60
PS9	PV218	69.10	DN150	0.71	0.0052	0.00 0.01	0.00 2.10	0.00 0.60
PS10	PV222	96.10	DN150	2.74	0.0072	0.00 0.01	0.00 1.79	0.00 0.60
PS11	PV124	72.12	DN150	1.90	0.0054	0.00 0.01	0.00 1.70	0.00 0.60
PS12	PV63	72.14	DN150	0.50	0.0054	0.00 0.01	0.00 2.32	0.00 0.60
PS13	PV64	71.09	DN150	1.17	0.0053	0.00 0.01	0.00 1.89	0.00 0.60
PS14	PV68	70.59	DN150	2.13	0.0053	0.00 0.01	0.00 1.64	0.00 0.60
PS15	PV72	70.28	DN150	2.09	0.0053	0.00 0.01	0.00 1.65	0.00 0.60
PS16	PV76	69.86	DN150	1.00	0.0052	0.00 0.01	0.00 1.95	0.00 0.60
PS17	PV79	69.96	DN150	1.43	0.0052	0.00 0.01	0.00 1.79	0.00 0.60
PS18	PV82	68.73	DN150	2.08	0.0052	0.00 0.01	0.00 1.63	0.00 0.60
PS19	PV86	70.79	DN150	2.20	0.0053	0.00 0.01	0.00 1.63	0.00 0.60
PS20	PV90	70.91	DN150	1.82	0.0053	0.00 0.01	0.00 1.71	0.00 0.60
PS21	PV93	91.03	DN150	2.64	0.0068	0.00 0.01	0.00 1.76	0.00 0.60
PS22	PV93	70.60	DN150	2.48	0.0053	0.00 0.01	0.00 1.59	0.00 0.60
PS23	PV96	70.52	DN150	2.20	0.0053	0.00 0.01	0.00 1.63	0.00 0.60
PS24	PV100	70.41	DN150	1.78	0.0053	0.00 0.01	0.00 1.71	0.00 0.60
PS25	PV103	90.74	DN150	2.20	0.0068	0.00 0.01	0.00 1.83	0.00 0.60
PS26	PV1153	105.32	DN150	1.97	0.0079	0.00 0.01	0.00 2.01	0.00 0.60
PS27	PV109	56.95	DN150	6.09	0.0043	0.00 0.00	0.00 1.17	0.00 0.60
PS28	PV112	62.39	DN150	0.98	0.0047	0.00 0.00	0.00 1.86	0.00 0.60
PS29	PV114	85.86	DN150	1.51	0.0064	0.00 0.01	0.00 1.95	0.00 0.60
PS30	PV131	66.16	DN150	5.14	0.0050	0.00 0.00	0.00 1.30	0.00 0.60
PS31	PV133	74.08	DN150	0.26	0.0056	0.00 0.01	0.00 2.74	0.00 0.60

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PS32	PV8	65.43	DN150	0.47	0.0049	0.00 0.00	0.00 2.25	0.00 0.60
PS33	PV1107	68.43	DN150	1.34	0.0051	0.00 0.01	0.00 1.80	0.00 0.60
PS34	PV141	66.16	DN150	0.50	0.0050	0.00 0.00	0.00 2.23	0.00 0.60
PS35	PV144	71.72	DN150	4.62	0.0054	0.00 0.01	0.00 1.38	0.00 0.60
PS36	PV153	58.42	DN150	1.46	0.0044	0.00 0.00	0.00 1.64	0.00 0.60
PS37	PV155	98.87	DN150	2.02	0.0074	0.00 0.01	0.00 1.94	0.00 0.60
PS38	PV145	46.13	DN150	2.82	0.0035	0.00 0.00	0.00 1.26	0.00 0.60
PS39	PV119	103.92	DN150	1.50	0.0078	0.00 0.01	0.00 2.13	0.00 0.60
PS40	PV159	76.75	DN150	0.68	0.0058	0.00 0.01	0.00 2.23	0.00 0.60
PS41	PV162	79.51	DN150	0.40	0.0060	0.00 0.01	0.00 2.55	0.00 0.60
PS42	PV176	72.13	DN150	2.52	0.0054	0.00 0.01	0.00 1.60	0.00 0.60
PS43	PV171	91.08	DN150	0.93	0.0068	0.00 0.01	0.00 2.24	0.00 0.60
PS44	PV178	73.04	DN150	1.00	0.0055	0.00 0.01	0.00 1.99	0.00 0.60
PS45	PV183	85.67	DN150	1.10	0.0064	0.00 0.01	0.00 2.09	0.00 0.60
PS46	PV186	68.87	DN150	0.48	0.0052	0.00 0.01	0.00 2.29	0.00 0.60
PS47	PV186	70.25	DN150	1.50	0.0053	0.00 0.01	0.00 1.78	0.00 0.60
PS48	PV195	65.49	DN150	0.90	0.0049	0.00 0.00	0.00 1.94	0.00 0.60
PS49	PV189	98.41	DN150	1.20	0.0074	0.00 0.01	0.00 2.19	0.00 0.60
PS50	PV189	85.11	DN150	1.81	0.0064	0.00 0.01	0.00 1.86	0.00 0.60
PS51	PV199	58.21	DN150	1.32	0.0044	0.00 0.00	0.00 1.68	0.00 0.60
PS52	PV928	23.00	DN150	1.91	0.0017	0.00 0.00	0.00 1.00	0.00 0.60
PS53	PV204	65.82	DN150	0.50	0.0049	0.00 0.00	0.00 2.22	0.00 0.60
PS54	PV214	96.49	DN150	0.41	0.0072	0.00 0.01	0.00 2.77	0.00 0.60
PS55	PV376	70.24	DN150	0.47	0.0053	0.00 0.01	0.00 2.33	0.00 0.60
PS56	PV379	64.54	DN150	0.50	0.0048	0.00 0.00	0.00 2.20	0.00 0.60
PS57	PV382	72.01	DN150	0.70	0.0054	0.00 0.01	0.00 2.15	0.00 0.60
PS58	PV385	67.61	DN150	0.98	0.0051	0.00 0.01	0.00 1.93	0.00 0.60
PS59	PV388	67.52	DN150	1.10	0.0051	0.00 0.01	0.00 1.88	0.00 0.60
PS60	PV391	68.90	DN150	1.02	0.0052	0.00 0.01	0.00 1.93	0.00 0.60
PS61	PV394	71.05	DN150	0.70	0.0053	0.00 0.01	0.00 2.13	0.00 0.60

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PS62	PV398	68.74	DN150	0.60	0.0052	0.00 0.01	0.00 2.18	0.00 0.60
PS63	PV401	68.22	DN150	1.66	0.0051	0.00 0.01	0.00 1.71	0.00 0.60
PS64	PV404	68.12	DN150	2.06	0.0051	0.00 0.01	0.00 1.63	0.00 0.60
PS65	PV407	67.92	DN150	2.37	0.0051	0.00 0.01	0.00 1.57	0.00 0.60
PS66	PV370	69.02	DN150	2.06	0.0052	0.00 0.01	0.00 1.64	0.00 0.60
PS67	PV331	72.02	DN150	0.47	0.0054	0.00 0.01	0.00 2.35	0.00 0.60
PS68	PV335	67.98	DN150	0.50	0.0051	0.00 0.01	0.00 2.26	0.00 0.60
PS69	PV339	67.57	DN150	0.50	0.0051	0.00 0.01	0.00 2.25	0.00 0.60
PS70	PV344	75.82	DN150	0.50	0.0057	0.00 0.01	0.00 2.38	0.00 0.60
PS71	PV348	68.96	DN150	0.50	0.0052	0.00 0.01	0.00 2.27	0.00 0.60
PS72	PV352	69.59	DN150	0.56	0.0052	0.00 0.01	0.00 2.22	0.00 0.60
PS73	PV356	69.40	DN150	0.69	0.0052	0.00 0.01	0.00 2.11	0.00 0.60
PS74	PV360	68.77	DN150	0.77	0.0052	0.00 0.01	0.00 2.05	0.00 0.60
PS75	PV364	69.94	DN150	0.73	0.0052	0.00 0.01	0.00 2.10	0.00 0.60
PS76	PV368	67.23	DN150	1.10	0.0050	0.00 0.01	0.00 1.87	0.00 0.60
PS77	PV372	70.22	DN150	1.54	0.0053	0.00 0.01	0.00 1.77	0.00 0.60
PS78	PV374	70.14	DN150	1.14	0.0053	0.00 0.01	0.00 1.89	0.00 0.60
PS79	PV298	81.11	DN150	0.47	0.0061	0.00 0.01	0.00 2.49	0.00 0.60
PS80	PV301	77.88	DN150	0.70	0.0058	0.00 0.01	0.00 2.22	0.00 0.60
PS81	PV304	74.45	DN150	0.80	0.0056	0.00 0.01	0.00 2.11	0.00 0.60
PS82	PV307	90.26	DN150	1.00	0.0068	0.00 0.01	0.00 2.19	0.00 0.60
PS83	PV310	69.04	DN150	0.90	0.0052	0.00 0.01	0.00 1.99	0.00 0.60
PS84	PV313	71.85	DN150	0.85	0.0054	0.00 0.01	0.00 2.05	0.00 0.60
PS85	PV316	70.12	DN150	1.07	0.0053	0.00 0.01	0.00 1.92	0.00 0.60
PS86	PV319	71.33	DN150	1.28	0.0053	0.00 0.01	0.00 1.86	0.00 0.60
PS87	PV322	71.10	DN150	1.14	0.0053	0.00 0.01	0.00 1.90	0.00 0.60
PS88	PV325	70.89	DN150	1.16	0.0053	0.00 0.01	0.00 1.90	0.00 0.60
PS89	PV328	67.22	DN150	1.01	0.0050	0.00 0.01	0.00 1.91	0.00 0.60
PS90	PV632	80.54	DN150	3.48	0.0060	0.00 0.01	0.00 1.56	0.00 0.60
PS91	PV265	73.10	DN150	1.67	0.0055	0.00 0.01	0.00 1.77	0.00 0.60

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PS92	PV277	74.89	DN150	2.95	0.0056	0.00 0.01	0.00 1.57	0.00 0.60
PS93	PV280	73.44	DN150	2.31	0.0055	0.00 0.01	0.00 1.64	0.00 0.60
PS94	PV283	66.90	DN150	2.69	0.0050	0.00 0.01	0.00 1.52	0.00 0.60
PS95	PV286	66.75	DN150	2.07	0.0050	0.00 0.01	0.00 1.61	0.00 0.60
PS96	PV289	66.65	DN150	2.00	0.0050	0.00 0.00	0.00 1.62	0.00 0.60
PS97	PV292	76.13	DN150	2.05	0.0057	0.00 0.01	0.00 1.72	0.00 0.60
PS98	PV295	59.88	DN150	1.90	0.0045	0.00 0.00	0.00 1.56	0.00 0.60
PS99	PV238	69.47	DN150	1.51	0.0052	0.00 0.01	0.00 1.77	0.00 0.60
PS100	PV251	66.07	DN150	1.91	0.0050	0.00 0.00	0.00 1.63	0.00 0.60
PS101	PV255	65.68	DN150	2.62	0.0049	0.00 0.00	0.00 1.51	0.00 0.60
PS102	PV240	72.60	DN150	1.43	0.0054	0.00 0.01	0.00 1.82	0.00 0.60
PS103	PV230	68.74	DN150	1.44	0.0052	0.00 0.01	0.00 1.78	0.00 0.60
PS104	PV243	69.45	DN150	2.13	0.0052	0.00 0.01	0.00 1.63	0.00 0.60
PS105	PV231	70.66	DN150	3.27	0.0053	0.00 0.01	0.00 1.49	0.00 0.60
PS106	PV235	59.16	DN150	2.77	0.0044	0.00 0.00	0.00 1.42	0.00 0.60
PS107	PV233	56.54	DN150	2.95	0.0042	0.00 0.00	0.00 1.37	0.00 0.60
PS108	PV918	69.58	DN150	2.87	0.0052	0.00 0.01	0.00 1.52	0.00 0.60
PS109	PV916	93.01	DN150	1.88	0.0070	0.00 0.01	0.00 1.92	0.00 0.60
PS110	PV922	64.96	DN150	1.86	0.0049	0.00 0.00	0.00 1.63	0.00 0.60
PS111	PV260	53.02	DN150	2.96	0.0040	0.00 0.00	0.00 1.33	0.00 0.60
PS112	PV927	84.39	DN150	2.03	0.0063	0.00 0.01	0.00 1.80	0.00 0.60
PS113	PV944	87.16	DN150	0.75	0.0065	0.00 0.01	0.00 2.31	0.00 0.60
PS114	PV947	67.65	DN150	2.13	0.0051	0.00 0.01	0.00 1.61	0.00 0.60
PS115	PV930	79.08	DN150	1.91	0.0059	0.00 0.01	0.00 1.78	0.00 0.60
PS116	PV932	55.66	DN150	1.67	0.0042	0.00 0.00	0.00 1.56	0.00 0.60
PS117	PV951	67.37	DN150	2.05	0.0051	0.00 0.01	0.00 1.62	0.00 0.60
PS118	PV926	72.15	DN150	2.84	0.0054	0.00 0.01	0.00 1.55	0.00 0.60
PS119	PV945	71.19	DN150	1.78	0.0053	0.00 0.01	0.00 1.72	0.00 0.60
PS120	PV949	71.10	DN150	1.56	0.0053	0.00 0.01	0.00 1.77	0.00 0.60
PS121	PV961	71.10	DN150	2.38	0.0053	0.00 0.01	0.00 1.61	0.00 0.60

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PS122	PV963	70.79	DN150	2.34	0.0053	0.00 0.01	0.00 1.61	0.00 0.60
PS123	PV966	70.38	DN150	2.32	0.0053	0.00 0.01	0.00 1.61	0.00 0.60
PS124	PV954	71.19	DN150	4.86	0.0053	0.00 0.01	0.00 1.36	0.00 0.60
PS125	PV977	87.95	DN150	2.58	0.0066	0.00 0.01	0.00 1.74	0.00 0.60
PS126	PV982	74.75	DN150	2.34	0.0056	0.00 0.01	0.00 1.65	0.00 0.60
PS127	PV980	69.37	DN150	3.13	0.0052	0.00 0.01	0.00 1.49	0.00 0.60
PS128	PV986	62.99	DN150	2.52	0.0047	0.00 0.00	0.00 1.50	0.00 0.60
PS129	PV991	50.93	DN150	2.28	0.0038	0.00 0.00	0.00 1.39	0.00 0.60
PS130	PV984	74.10	DN150	1.36	0.0056	0.00 0.01	0.00 1.86	0.00 0.60
PS131	PV996	73.16	DN150	1.74	0.0055	0.00 0.01	0.00 1.75	0.00 0.60
PS132	PV974	91.56	DN150	2.28	0.0069	0.00 0.01	0.00 1.82	0.00 0.60
PS133	PV937	64.65	DN150	1.64	0.0048	0.00 0.00	0.00 1.68	0.00 0.60
PS134	PV994	71.99	DN150	2.19	0.0054	0.00 0.01	0.00 1.65	0.00 0.60
PS135	PV1002	74.90	DN150	0.63	0.0056	0.00 0.01	0.00 2.24	0.00 0.60
PS136	PV734	66.82	DN150	1.93	0.0050	0.00 0.01	0.00 1.64	0.00 0.60
PS137	PV737	70.11	DN150	1.03	0.0053	0.00 0.01	0.00 1.94	0.00 0.60
PS138	PV631	70.87	DN150	1.64	0.0053	0.00 0.01	0.00 1.75	0.00 0.60
PS139	PV730	71.60	DN150	1.65	0.0054	0.00 0.01	0.00 1.75	0.00 0.60
PS140	PV724	69.65	DN150	2.20	0.0052	0.00 0.01	0.00 1.62	0.00 0.60
PS141	PV628	69.89	DN150	2.00	0.0052	0.00 0.01	0.00 1.66	0.00 0.60
PS142	PV625	68.99	DN150	2.46	0.0052	0.00 0.01	0.00 1.57	0.00 0.60
PS143	PV713	69.93	DN150	2.47	0.0052	0.00 0.01	0.00 1.58	0.00 0.60
PS144	PV622	69.43	DN150	2.66	0.0052	0.00 0.01	0.00 1.55	0.00 0.60
PS145	PV701	69.95	DN150	2.44	0.0052	0.00 0.01	0.00 1.58	0.00 0.60
PS146	PV443	73.50	DN150	0.72	0.0055	0.00 0.01	0.00 2.15	0.00 0.60
PS147	PV469	72.44	DN150	0.65	0.0054	0.00 0.01	0.00 2.19	0.00 0.60
PS148	PV471	71.88	DN150	0.50	0.0054	0.00 0.01	0.00 2.32	0.00 0.60
PS149	PV393	69.74	DN150	1.39	0.0052	0.00 0.01	0.00 1.80	0.00 0.60
PS150	PV399	70.19	DN150	2.71	0.0053	0.00 0.01	0.00 1.55	0.00 0.60
PS151	PV405	71.49	DN150	2.57	0.0054	0.00 0.01	0.00 1.58	0.00 0.60

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PS152	PV411	77.16	DN150	0.76	0.0058	0.00 0.01	0.00 2.17	0.00 0.60
PS153	PV418	81.50	DN150	0.79	0.0061	0.00 0.01	0.00 2.21	0.00 0.60
PS154	PV412	69.61	DN150	1.98	0.0052	0.00 0.01	0.00 1.66	0.00 0.60
PS155	PV413	69.76	DN150	2.88	0.0052	0.00 0.01	0.00 1.52	0.00 0.60
PS156	PV437	69.80	DN150	3.42	0.0052	0.00 0.01	0.00 1.46	0.00 0.60
PS157	PV439	69.99	DN150	3.76	0.0052	0.00 0.01	0.00 1.43	0.00 0.60
PS158	PV441	69.69	DN150	3.97	0.0052	0.00 0.01	0.00 1.41	0.00 0.60
PS159	PV443	69.61	DN150	4.07	0.0052	0.00 0.01	0.00 1.41	0.00 0.60
PS160	PV469	70.49	DN150	3.93	0.0053	0.00 0.01	0.00 1.42	0.00 0.60
PS161	PV471	71.45	DN150	3.51	0.0054	0.00 0.01	0.00 1.47	0.00 0.60
PS162	PV473	70.43	DN150	4.43	0.0053	0.00 0.01	0.00 1.38	0.00 0.60
PS163	PV475	70.01	DN150	2.43	0.0053	0.00 0.01	0.00 1.59	0.00 0.60
PS164	PV477	69.15	DN150	2.65	0.0052	0.00 0.01	0.00 1.55	0.00 0.60
PS165	PV418	85.05	DN150	0.50	0.0064	0.00 0.01	0.00 2.51	0.00 0.60
PS166	PV421	76.36	DN150	0.50	0.0057	0.00 0.01	0.00 2.38	0.00 0.60
PS167	PV423	71.57	DN150	3.51	0.0054	0.00 0.01	0.00 1.47	0.00 0.60
PS168	PV423	68.06	DN150	0.50	0.0051	0.00 0.01	0.00 2.26	0.00 0.60
PS169	PV424	77.76	DN150	0.50	0.0058	0.00 0.01	0.00 2.40	0.00 0.60
PS170	PV430	77.73	DN150	0.50	0.0058	0.00 0.01	0.00 2.40	0.00 0.60
PS171	PV433	81.59	DN150	0.50	0.0061	0.00 0.01	0.00 2.46	0.00 0.60
PS172	PV454	80.96	DN150	0.50	0.0061	0.00 0.01	0.00 2.45	0.00 0.60
PS173	PV456	77.00	DN150	0.50	0.0058	0.00 0.01	0.00 2.39	0.00 0.60
PS174	PV459	77.20	DN150	0.50	0.0058	0.00 0.01	0.00 2.40	0.00 0.60
PS175	PV461	77.09	DN150	0.50	0.0058	0.00 0.01	0.00 2.39	0.00 0.60
PS176	PV464	79.45	DN150	0.50	0.0060	0.00 0.01	0.00 2.43	0.00 0.60
PS177	PV467	79.44	DN150	0.50	0.0060	0.00 0.01	0.00 2.43	0.00 0.60
PS178	PV480	83.22	DN150	0.50	0.0062	0.00 0.01	0.00 2.48	0.00 0.60
PS179	PV484	79.42	DN150	0.69	0.0060	0.00 0.01	0.00 2.25	0.00 0.60
PS180	PV489	74.94	DN150	0.72	0.0056	0.00 0.01	0.00 2.17	0.00 0.60
PS181	PV493	79.02	DN150	0.85	0.0059	0.00 0.01	0.00 2.14	0.00 0.60

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PS182	PV498	79.08	DN150	0.89	0.0059	0.00 0.01	0.00 2.12	0.00 0.60
PS183	PV502	79.05	DN150	1.19	0.0059	0.00 0.01	0.00 1.98	0.00 0.60
PS184	PV507	79.04	DN150	1.54	0.0059	0.00 0.01	0.00 1.86	0.00 0.60
PS185	PV511	79.01	DN150	2.05	0.0059	0.00 0.01	0.00 1.75	0.00 0.60
PS186	PV516	78.90	DN150	2.05	0.0059	0.00 0.01	0.00 1.74	0.00 0.60
PS187	PV520	88.18	DN150	1.96	0.0066	0.00 0.01	0.00 1.86	0.00 0.60
PS188	PV522	69.37	DN150	2.05	0.0052	0.00 0.01	0.00 1.64	0.00 0.60
PS189	PV547	69.95	DN150	0.47	0.0052	0.00 0.01	0.00 2.32	0.00 0.60
PS190	PV550	78.41	DN150	0.50	0.0059	0.00 0.01	0.00 2.41	0.00 0.60
PS191	PV553	78.49	DN150	0.50	0.0059	0.00 0.01	0.00 2.41	0.00 0.60
PS192	PV555	83.87	DN150	0.50	0.0063	0.00 0.01	0.00 2.49	0.00 0.60
PS193	PV557	78.91	DN150	0.50	0.0059	0.00 0.01	0.00 2.42	0.00 0.60
PS194	PV561	80.11	DN150	0.50	0.0060	0.00 0.01	0.00 2.44	0.00 0.60
PS195	PV563	79.55	DN150	0.57	0.0060	0.00 0.01	0.00 2.36	0.00 0.60
PS196	PV565	79.72	DN150	0.85	0.0060	0.00 0.01	0.00 2.15	0.00 0.60
PS197	PV567	79.87	DN150	0.75	0.0060	0.00 0.01	0.00 2.21	0.00 0.60
PS198	PV569	80.04	DN150	0.80	0.0060	0.00 0.01	0.00 2.18	0.00 0.60
PS199	PV571	80.22	DN150	0.50	0.0060	0.00 0.01	0.00 2.44	0.00 0.60
PS200	PV573	80.57	DN150	0.70	0.0060	0.00 0.01	0.00 2.26	0.00 0.60
PS201	PV576	80.46	DN150	1.00	0.0060	0.00 0.01	0.00 2.08	0.00 0.60
PS202	PV578	80.57	DN150	0.66	0.0060	0.00 0.01	0.00 2.29	0.00 0.60
PS203	PV580	80.66	DN150	0.55	0.0060	0.00 0.01	0.00 2.40	0.00 0.60
PS204	PV585	83.19	DN150	0.47	0.0062	0.00 0.01	0.00 2.52	0.00 0.60
PS205	PV585	101.68	DN150	0.74	0.0076	0.00 0.01	0.00 2.49	0.00 0.60
PS206	PV598	89.48	DN150	1.48	0.0067	0.00 0.01	0.00 2.00	0.00 0.60
PS207	PV595	81.72	DN150	1.88	0.0061	0.00 0.01	0.00 1.81	0.00 0.60
PS208	PV596	67.48	DN150	3.17	0.0051	0.00 0.01	0.00 1.47	0.00 0.60
PS209	PV597	50.95	DN150	4.00	0.0038	0.00 0.00	0.00 1.22	0.00 0.60
PS210	PV619	71.05	DN150	2.46	0.0053	0.00 0.01	0.00 1.59	0.00 0.60
PS211	PV695	70.63	DN150	2.41	0.0053	0.00 0.01	0.00 1.60	0.00 0.60



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PS212	PV615	68.51	DN150	2.26	0.0051	0.00 0.01	0.00 1.60	0.00 0.60
PS213	PV690	68.92	DN150	2.55	0.0052	0.00 0.01	0.00 1.56	0.00 0.60
PS214	PV693	69.56	DN150	2.85	0.0052	0.00 0.01	0.00 1.53	0.00 0.60
PS215	PV611	70.94	DN150	2.44	0.0053	0.00 0.01	0.00 1.60	0.00 0.60
PS216	PV673	72.09	DN150	2.72	0.0054	0.00 0.01	0.00 1.57	0.00 0.60
PS217	PV676	72.91	DN150	4.81	0.0055	0.00 0.01	0.00 1.38	0.00 0.21
PS218	PV607	89.95	DN150	2.18	0.0067	0.00 0.01	0.00 1.83	0.00 0.60
PS219	PV661	90.65	DN150	2.46	0.0068	0.00 0.01	0.00 1.78	0.00 0.60
PS220	PV679	73.58	DN150	3.03	0.0055	0.00 0.01	0.00 1.54	0.00 0.60
PS221	PV682	51.52	DN150	3.36	0.0039	0.00 0.00	0.00 1.28	0.00 0.60
PS222	PV683	60.34	DN150	0.47	0.0045	0.00 0.00	0.00 2.17	0.00 0.60
PS223	PV689	39.55	DN150	6.68	0.0030	0.00 0.00	0.00 0.96	0.00 0.60
PS224	PV707	70.47	DN150	2.78	0.0053	0.00 0.01	0.00 1.54	0.00 0.60
PS225	PV720	69.90	DN150	3.03	0.0052	0.00 0.01	0.00 1.51	0.00 0.60
PS226	PV800	68.79	DN150	3.01	0.0052	0.00 0.01	0.00 1.50	0.00 0.60
PS227	PV812	62.42	DN150	2.21	0.0047	0.00 0.00	0.00 1.54	0.00 0.60
PS228	PV774	64.03	DN150	4.00	0.0048	0.00 0.00	0.00 1.36	0.00 0.60
PS229	PV777	48.09	DN150	1.46	0.0036	0.00 0.00	0.00 1.50	0.00 0.60
PS230	PV722	84.13	DN150	1.52	0.0063	0.00 0.01	0.00 1.93	0.00 0.60
PS231	PV816	56.05	DN150	0.50	0.0042	0.00 0.00	0.00 2.07	0.00 0.60
PS232	PV815	68.76	DN150	5.38	0.0052	0.00 0.01	0.00 1.31	0.00 0.21
PS233	PV824	43.72	DN150	3.36	0.0033	0.00 0.00	0.00 1.18	0.00 0.60
PS234	PV829	61.90	DN150	1.20	0.0046	0.00 0.00	0.00 1.77	0.00 0.60
PS235	PV830	68.29	DN150	3.75	0.0051	0.00 0.01	0.00 1.42	0.00 0.60
PS236	PV772	55.16	DN150	6.82	0.0041	0.00 0.00	0.00 1.12	0.00 0.21
PS237	PV783	63.39	DN150	4.10	0.0048	0.00 0.00	0.00 1.34	0.00 0.60
PS238	PV787	65.73	DN150	2.40	0.0049	0.00 0.00	0.00 1.55	0.00 0.60
PS239	PV789	54.41	DN150	1.08	0.0041	0.00 0.00	0.00 1.70	0.00 0.60
PS240	PV791	62.04	DN150	3.98	0.0047	0.00 0.00	0.00 1.34	0.00 0.60
PS241	PV664	90.95	DN150	3.08	0.0068	0.00 0.01	0.00 1.70	0.00 0.60

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PS242	PV658	57.29	DN150	3.37	0.0043	0.00 0.00	0.00 1.34	0.00 0.60
PS243	PV660	57.09	DN150	5.17	0.0043	0.00 0.00	0.00 1.21	0.00 0.60
PS244	PV745	64.40	DN150	2.38	0.0048	0.00 0.00	0.00 1.53	0.00 0.60
PS245	PV749	61.31	DN150	2.95	0.0046	0.00 0.00	0.00 1.43	0.00 0.60
PS246	PV753	55.98	DN150	3.36	0.0042	0.00 0.00	0.00 1.33	0.00 0.60
PS247	PV756	58.67	DN150	2.80	0.0044	0.00 0.00	0.00 1.42	0.00 0.60
PS248	PV759	61.39	DN150	1.92	0.0046	0.00 0.00	0.00 1.58	0.00 0.60
PS249	PV760	72.00	DN150	1.68	0.0054	0.00 0.01	0.00 1.75	0.00 0.60
PS250	PV767	85.04	DN150	1.09	0.0064	0.00 0.01	0.00 2.09	0.00 0.60
PS251	PV761	96.77	DN150	1.37	0.0073	0.00 0.01	0.00 2.10	0.00 0.60
PS252	PV795	70.55	DN150	1.29	0.0053	0.00 0.01	0.00 1.84	0.00 0.60
PS253	PV841	79.20	DN150	1.64	0.0059	0.00 0.01	0.00 1.84	0.00 0.60
PS254	PV914	31.20	DN150	0.83	0.0023	0.00 0.00	0.00 1.40	0.00 0.60
PS255	PV912	67.91	DN150	1.90	0.0051	0.00 0.01	0.00 1.66	0.00 0.60
PS256	PV911	62.82	DN150	1.75	0.0047	0.00 0.00	0.00 1.63	0.00 0.60
PS257	PV910	64.67	DN150	1.72	0.0048	0.00 0.00	0.00 1.66	0.00 0.60
PS258	PV909	63.91	DN150	1.52	0.0048	0.00 0.00	0.00 1.70	0.00 0.60
PS259	PV908	64.84	DN150	1.94	0.0049	0.00 0.00	0.00 1.61	0.00 0.60
PS260	PV873	60.31	DN150	3.73	0.0045	0.00 0.00	0.00 1.34	0.00 0.60
PS261	PV870	61.79	DN150	2.90	0.0046	0.00 0.00	0.00 1.44	0.00 0.60
PS262	PV642	62.32	DN150	2.76	0.0047	0.00 0.00	0.00 1.46	0.00 0.60
PS263	PV866	63.75	DN150	3.29	0.0048	0.00 0.00	0.00 1.42	0.00 0.60
PS264	PV639	62.63	DN150	3.34	0.0047	0.00 0.00	0.00 1.40	0.00 0.60
PS265	PV863	62.31	DN150	3.31	0.0047	0.00 0.00	0.00 1.40	0.00 0.60
PS266	PV637	61.80	DN150	3.45	0.0046	0.00 0.00	0.00 1.38	0.00 0.60
PS267	PV859	62.89	DN150	3.24	0.0047	0.00 0.00	0.00 1.41	0.00 0.60
PS268	PV635	62.59	DN150	2.88	0.0047	0.00 0.00	0.00 1.45	0.00 0.60
PS269	PV857	63.55	DN150	3.81	0.0048	0.00 0.00	0.00 1.37	0.00 0.60
PS270	PV874	70.59	DN150	2.31	0.0053	0.00 0.01	0.00 1.61	0.00 0.60
PS271	PV1007	71.44	DN150	1.69	0.0054	0.00 0.01	0.00 1.74	0.00 0.60

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PS272	PV1010	71.63	DN150	2.26	0.0054	0.00 0.01	0.00 1.63	0.00 0.60
PS273	PV876	70.16	DN150	2.55	0.0053	0.00 0.01	0.00 1.57	0.00 0.60
PS274	PV879	69.75	DN150	3.15	0.0052	0.00 0.01	0.00 1.49	0.00 0.60
PS275	PV1013	72.09	DN150	2.83	0.0054	0.00 0.01	0.00 1.55	0.00 0.60
PS276	PV882	68.33	DN150	2.85	0.0051	0.00 0.01	0.00 1.51	0.00 0.60
PS277	PV1016	71.14	DN150	2.76	0.0053	0.00 0.01	0.00 1.55	0.00 0.60
PS278	PV1020	71.17	DN150	2.96	0.0053	0.00 0.01	0.00 1.53	0.00 0.60
PS279	PV886	69.87	DN150	3.35	0.0052	0.00 0.01	0.00 1.47	0.00 0.60
PS280	PV1023	71.75	DN150	2.31	0.0054	0.00 0.01	0.00 1.62	0.00 0.60
PS281	PV889	70.91	DN150	3.13	0.0053	0.00 0.01	0.00 1.51	0.00 0.60
PS282	PV1026	72.17	DN150	3.53	0.0054	0.00 0.01	0.00 1.48	0.00 0.60
PS283	PV1064	66.35	DN150	2.35	0.0050	0.00 0.00	0.00 1.56	0.00 0.60
PS284	PV1065	71.15	DN150	1.24	0.0053	0.00 0.01	0.00 1.87	0.00 0.60
PS285	PV1066	72.15	DN150	1.00	0.0054	0.00 0.01	0.00 1.98	0.00 0.60
PS286	PV1067	74.53	DN150	0.46	0.0056	0.00 0.01	0.00 2.41	0.00 0.60
PS287	PV1068	77.16	DN150	0.50	0.0058	0.00 0.01	0.00 2.39	0.00 0.60
PS288	PV1072	80.86	DN150	2.42	0.0061	0.00 0.01	0.00 1.70	0.00 0.60
PS289	PV1101	76.84	DN150	2.34	0.0058	0.00 0.01	0.00 1.67	0.00 0.60
PS290	PV1100	72.93	DN150	2.82	0.0055	0.00 0.01	0.00 1.56	0.00 0.60
PS291	PV1099	80.61	DN150	2.38	0.0060	0.00 0.01	0.00 1.70	0.00 0.60
PS292	PV1098	83.08	DN150	1.49	0.0062	0.00 0.01	0.00 1.92	0.00 0.60
PS293	PV1097	80.78	DN150	1.44	0.0061	0.00 0.01	0.00 1.92	0.00 0.60
PS294	PV1096	74.11	DN150	1.05	0.0056	0.00 0.01	0.00 1.98	0.00 0.60
PS295	PV1095	80.53	DN150	1.40	0.0060	0.00 0.01	0.00 1.92	0.00 0.60
PS296	PV1103	62.18	DN150	1.82	0.0047	0.00 0.00	0.00 1.61	0.00 0.60
PS297	PV1104	66.27	DN150	1.13	0.0050	0.00 0.00	0.00 1.85	0.00 0.60
PS298	PV1124	71.88	DN150	1.92	0.0054	0.00 0.01	0.00 1.70	0.00 0.60
PS299	PV1123	71.06	DN150	2.04	0.0053	0.00 0.01	0.00 1.66	0.00 0.60
PS300	PV1122	67.14	DN150	1.83	0.0050	0.00 0.01	0.00 1.66	0.00 0.60
PS301	PV1110	69.20	DN150	1.55	0.0052	0.00 0.01	0.00 1.75	0.00 0.60

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PS302	PV1121	63.12	DN150	1.95	0.0047	0.00 0.00	0.00 1.59	0.00 0.60
PS303	PV1113	84.77	DN150	0.53	0.0064	0.00 0.01	0.00 2.47	0.00 0.60
PS304	PV1120	64.42	DN150	1.40	0.0048	0.00 0.00	0.00 1.74	0.00 0.60
PS305	PV188	75.84	DN150	2.62	0.0057	0.00 0.01	0.00 1.62	0.00 0.60
PS306	PV1126	81.02	DN150	3.13	0.0061	0.00 0.01	0.00 1.60	0.00 0.60
PS307	PV105	69.95	DN150	2.26	0.0052	0.00 0.01	0.00 1.61	0.00 0.60
PS308	PV1073	62.06	DN150	2.22	0.0047	0.00 0.00	0.00 1.53	0.00 0.60
PS309	PV1029	62.08	DN150	0.81	0.0047	0.00 0.00	0.00 1.94	0.00 0.60
PS310	PS311	123.18	DN400	1.01	0.0246	102.07 102.10	169.52 169.54	2.01
PS310	PV845	113.20	DN400	0.50	0.0226	-102.07 -102.05	207.75 207.78	0.60
PS311	PS312	122.63	DN400	3.91	0.0245	102.10 102.12	118.34 118.35	3.28
PS312	PS313	92.01	DN400	6.27	0.0184	102.12 102.14	104.92 104.93	3.89
PV1	PV180	73.08	DN200	0.20	0.0073	-15.39 -15.39	136.17 136.22	0.60
PV1	PV187	64.44	DN150	2.17	0.0048	-0.48 -0.48	13.35 13.42	0.60 0.60
PV1	PV193	75.15	DN200	0.20	0.0075	15.88 15.88	139.40 139.45	0.68
PV2	PV3	87.01	DN150	1.45	0.0065	0.76 0.77	18.42 18.49	0.62 0.62
PV3	PV188	84.37	DN150	1.10	0.0063	1.06 1.07	23.07 23.14	0.62 0.62
PV4	PV354	71.47	DN150	3.25	0.0054	-2.43 -2.42	26.48 26.51	0.60
PV4	PV362	76.87	DN150	3.14	0.0058	2.87 2.88	29.03 29.06	1.20
PV4	PV398	73.71	DN150	2.32	0.0055	-0.42 -0.41	12.29 12.36	0.60 0.60
PV5	PV6	71.03	DN150	1.68	0.0053	0.67 0.67	16.69 16.75	0.62 0.62
PV5	PVT3	55.98	DN150	0.50	0.0042	-0.00 0.00	0.00 2.06	0.60 0.00
PV6	PV7	75.88	DN150	1.25	0.0057	0.91 0.91	20.73 20.79	0.62 0.62
PV7	PV9	50.58	DN150	0.94	0.0038	1.26 1.27	26.08 26.11	0.61
PV8	PV143	74.09	DN150	2.40	0.0056	0.41 0.42	12.19 12.26	0.61 0.61
PV9	PV11	108.53	DN150	0.93	0.0081	1.41 1.42	27.56 27.63	0.63 0.63
PV10	PV188	80.66	DN150	1.10	0.0060	-1.08 -1.08	23.20 23.26	0.60 0.60
PV10	PV1126	79.67	DN150	1.10	0.0060	1.08 1.09	23.26 23.32	0.62 0.62
PV11	PV14	80.20	DN150	0.89	0.0060	1.44 1.44	28.20 28.26	0.62
PV13	PV21	105.51	DN150	1.10	0.0079	1.11 1.12	23.59 23.67	0.63 0.63

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PV13	PV1126	103.90	DN150	1.10	0.0078	-1.10 -1.09	23.39 23.47	0.60 0.60
PV14	PV15	88.43	DN150	0.87	0.0066	1.46 1.46	28.49 28.55	0.62
PV15	PV16	71.11	DN150	1.79	0.0053	1.47 1.48	24.05 24.09	0.81
PV16	PV17	65.36	DN150	2.34	0.0049	1.48 1.49	22.56 22.59	0.89
PV17	PV18	54.05	DN150	3.44	0.0041	1.50 1.50	20.66 20.69	1.02
PV18	PV19	55.37	DN150	3.36	0.0042	1.51 1.52	20.89 20.92	1.01
PV19	PV20	42.90	DN150	2.91	0.0032	1.52 1.52	21.65 21.67	0.97
PV20	PV27	101.54	DN150	2.86	0.0076	1.53 1.54	21.85 21.91	0.96 0.96
PV21	PV22	80.69	DN150	2.34	0.0061	1.13 1.14	19.82 19.87	0.82 0.82
PV22	PV23	87.83	DN150	2.63	0.0066	1.14 1.14	19.32 19.38	0.85 0.86
PV23	PV24	80.32	DN150	2.96	0.0060	1.14 1.15	18.83 18.88	0.89 0.89
PV24	PV25	77.45	DN150	2.58	0.0058	1.15 1.16	19.51 19.56	0.85 0.85
PV25	PV26	80.32	DN150	2.71	0.0060	1.17 1.17	19.43 19.48	0.87 0.87
PV26	PV1153	94.95	DN150	1.00	0.0071	1.19 1.19	24.92 24.99	0.62 0.62
PV27	PV1153	111.24	DN150	2.44	0.0083	1.55 1.56	22.85 22.91	0.91 0.91
PV29	PV30	77.80	DN150	1.39	0.0058	0.82 0.83	19.27 19.34	0.62 0.62
PV30	PV31	65.50	DN150	1.00	0.0049	1.12 1.12	24.22 24.27	0.61
PV31	PV32	73.93	DN150	0.97	0.0055	1.36 1.36	26.78 26.83	0.64
PV32	PV35	73.39	DN150	0.90	0.0055	1.49 1.50	28.60 28.65	0.64
PV35	PV36	74.18	DN150	0.74	0.0056	1.63 1.63	31.29 31.35	0.61
PV36	PV37	73.91	DN150	0.72	0.0055	1.76 1.77	32.82 32.87	0.62
PV37	PV39	62.80	DN150	1.82	0.0047	1.78 1.78	26.23 26.26	0.86
PV39	PV40	67.34	DN150	1.98	0.0051	1.79 1.80	25.81 25.84	0.88
PV40	PV41	84.34	DN150	1.93	0.0063	1.80 1.80	25.98 26.03	0.88
PV41	PV42	57.46	DN150	2.23	0.0043	1.82 1.82	25.22 25.25	0.93
PV42	PV43	77.42	DN150	3.38	0.0058	1.84 1.84	22.92 22.95	1.08 1.08
PV43	PV44	84.39	DN150	2.16	0.0063	1.84 1.85	25.61 25.65	0.92
PV44	PV45	63.50	DN150	2.04	0.0048	1.86 1.87	26.09 26.12	0.90
PV45	PV122	68.52	DN150	1.07	0.0051	1.88 1.88	30.73 30.78	0.72
PV46	PV47	77.03	DN150	1.50	0.0058	0.71 0.71	17.57 17.64	0.61 0.61

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PV47	PV48	67.43	DN150	1.20	0.0051	0.94 0.95	21.33 21.39	0.61
PV48	PV49	72.38	DN150	1.10	0.0054	1.05 1.06	22.98 23.04	0.62
PV49	PV51	73.39	DN150	1.00	0.0055	1.17 1.18	24.74 24.80	0.61
PV51	PV52	73.23	DN150	1.17	0.0055	1.28 1.29	24.88 24.93	0.67
PV52	PV53	72.96	DN150	1.37	0.0055	1.39 1.40	24.93 24.98	0.72
PV53	PV55	64.22	DN150	1.62	0.0048	1.41 1.42	24.12 24.16	0.77
PV55	PV56	87.15	DN150	1.73	0.0065	1.43 1.44	23.87 23.92	0.79 0.79
PV56	PV57	64.66	DN150	2.00	0.0048	1.44 1.44	23.10 23.13	0.83
PV57	PV59	78.90	DN150	1.96	0.0059	1.46 1.46	23.37 23.41	0.83 0.83
PV59	PV60	72.59	DN150	2.37	0.0054	1.48 1.48	22.45 22.49	0.89
PV60	PV61	67.94	DN150	3.02	0.0051	1.48 1.49	21.22 21.26	0.97
PV61	PV62	61.88	DN150	2.55	0.0046	1.50 1.51	22.25 22.29	0.92
PV62	PV124	70.50	DN150	1.40	0.0053	1.52 1.52	25.87 25.92	0.75
PV63	PV64	67.24	DN150	1.71	0.0050	0.71 0.71	17.03 17.09	0.64 0.64
PV64	PV66	73.39	DN150	1.42	0.0055	0.89 0.90	19.93 19.99	0.64 0.64
PV66	PV67	73.23	DN150	1.67	0.0055	0.95 0.96	19.81 19.87	0.69 0.69
PV67	PV68	71.07	DN150	1.80	0.0053	0.97 0.98	19.61 19.67	0.71 0.71
PV68	PV70	78.30	DN150	1.86	0.0059	0.99 1.00	19.66 19.72	0.73 0.73
PV70	PV71	67.61	DN150	2.19	0.0051	1.01 1.02	19.08 19.13	0.77 0.77
PV71	PV72	71.69	DN150	2.30	0.0054	1.02 1.02	18.90 18.95	0.79 0.79
PV72	PV74	77.92	DN150	2.27	0.0058	1.04 1.04	19.16 19.21	0.79 0.79
PV74	PV75	72.59	DN150	2.34	0.0054	1.06 1.06	19.17 19.22	0.80 0.80
PV75	PV76	69.07	DN150	2.69	0.0052	1.06 1.07	18.58 18.63	0.84 0.85
PV76	PV77	88.51	DN150	1.97	0.0066	1.08 1.09	20.24 20.30	0.76 0.76
PV77	PV78	89.98	DN150	2.35	0.0067	1.10 1.11	19.56 19.62	0.81 0.81
PV78	PV92	78.94	DN150	0.60	0.0059	2.67 2.68	42.44 42.49	0.65
PV78	PV124	90.83	DN150	2.51	0.0068	-1.55 -1.54	22.62 22.67	0.60 0.60
PV79	PV80	73.40	DN150	1.74	0.0055	0.71 0.71	16.95 17.01	0.64 0.64
PV80	PV81	73.23	DN150	1.73	0.0055	0.83 0.83	18.32 18.38	0.67 0.67
PV81	PV82	70.55	DN150	2.01	0.0053	0.89 0.90	18.32 18.37	0.72 0.72

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PV82	PV84	73.92	DN150	2.22	0.0055	0.91	18.11	0.75
						0.92	18.16	0.76
PV84	PV85	71.61	DN150	2.19	0.0054	0.93	18.32	0.75
						0.94	18.37	0.76
PV85	PV86	72.24	DN150	2.09	0.0054	0.94	18.59	0.74
						0.94	18.64	0.74
PV86	PV88	77.41	DN150	2.09	0.0058	0.96	18.79	0.75
						0.96	18.85	0.75
PV88	PV89	72.59	DN150	2.25	0.0054	0.98	18.64	0.77
						0.98	18.69	0.77
PV89	PV90	69.74	DN150	2.60	0.0052	0.98	18.05	0.81
						0.99	18.10	0.81
PV90	PV91	73.54	DN150	1.93	0.0055	1.00	19.59	0.74
						1.01	19.64	0.74
PV91	PV92	75.87	DN150	2.12	0.0057	1.02	19.31	0.77
						1.03	19.36	0.77
PV92	PV102	80.60	DN150	0.91	0.0060	3.71	45.15	0.83
						3.72	45.19	
PV93	PV94	77.03	DN150	2.01	0.0058	0.71	16.46	0.68
						0.72	16.52	0.68
PV94	PV95	72.48	DN150	2.14	0.0054	0.83	17.50	0.72
						0.84	17.55	0.73
PV95	PV96	68.85	DN150	2.06	0.0052	0.84	17.70	0.72
						0.85	17.76	0.72
PV96	PV98	76.83	DN150	2.06	0.0058	0.96	18.84	0.74
						0.96	18.90	0.75
PV98	PV99	72.59	DN150	2.26	0.0054	0.97	18.58	0.77
						0.98	18.63	0.77
PV99	PV100	70.48	DN150	2.18	0.0053	0.98	18.78	0.77
						0.98	18.83	0.77
PV100	PV101	56.39	DN150	2.25	0.0042	1.00	18.85	0.78
						1.00	18.89	
PV101	PV102	63.38	DN150	1.96	0.0048	1.02	19.65	0.74
						1.02	19.69	0.75
PV102	PV112	67.06	DN150	2.59	0.0050	-0.38	11.47	0.60
						-0.38	11.54	0.60
PV102	PV120	63.13	DN150	1.06	0.0047	5.14	51.31	0.96
						5.14	51.34	
PV103	PV105	85.74	DN150	2.25	0.0064	0.59	14.65	0.66
						0.60	14.73	0.67
PV105	PV107	95.18	DN150	2.16	0.0071	0.71	16.11	0.69
						0.71	16.19	0.69
PV107	PV108	102.71	DN150	2.12	0.0077	0.82	17.37	0.72
						0.83	17.45	0.72
PV108	PV109	25.31	DN150	1.58	0.0019	3.72	39.19	1.01
						3.72	39.20	
PV108	PV111	72.01	DN150	1.26	0.0054	-2.88	36.42	0.60
						-2.88	36.45	
PV109	PV116	91.83	DN150	2.86	0.0069	3.74	33.83	1.25
						3.75	33.86	
PV110	PV111	79.08	DN150	1.15	0.0059	2.87	37.25	0.84
						2.88	37.29	
PV110	PV1153	75.06	DN150	0.45	0.0056	-2.87	47.23	0.60
						-2.87	47.28	
PV114	PV115	85.62	DN150	1.90	0.0064	0.82	17.87	0.69
						0.83	17.94	0.69
PV115	PV116	78.15	DN150	1.78	0.0059	1.06	20.54	0.73
						1.07	20.59	0.73
PV116	PV117	13.14	DN150	2.28	0.0010	4.81	40.69	1.24
							40.69	

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PV117	PV118	63.61	DN150	1.45	0.0048	9.98 9.98	67.73 67.75	1.29
PV117	PV121	72.36	DN150	0.65	0.0054	-5.16 -5.16	58.64 58.68	0.60
PV118	PV119	39.48	DN150	1.44	0.0030	9.98 9.98	67.78 67.79	1.29
PV119	PV160	70.98	DN150	2.90	0.0053	9.99 10.00	55.95 55.97	1.66
PV120	PV121	57.67	DN150	1.11	0.0043	5.15 5.16	50.79 50.82	0.98
PV122	PV224	54.11	DN150	2.90	0.0041	-0.67 -0.67	14.63 14.67	0.60 0.60
PV122	PV225	114.25	DN150	0.61	0.0086	2.57 2.58	41.30 41.37	0.65
PV131	PV132	71.70	DN150	1.20	0.0054	1.25 1.25	24.40 24.46	0.67
PV131	PV135	69.28	DN150	1.20	0.0052	-0.95 -0.94	21.33 21.39	0.60 0.60
PV132	PV139	41.11	DN150	1.00	0.0031	1.26 1.27	25.68 25.71	0.63
PV133	PV135	74.09	DN150	1.74	0.0056	0.71 0.71	16.95 17.02	0.64 0.64
PV139	PV140	70.65	DN150	0.99	0.0053	1.28 1.28	25.89 25.94	0.63
PV140	PV146	72.13	DN150	1.00	0.0054	1.40 1.41	27.01 27.06	0.65
PV141	PV142	74.09	DN150	1.80	0.0056	0.59 0.59	15.43 15.50	0.61 0.62
PV142	PV145	77.79	DN150	1.52	0.0058	0.77 0.77	18.24 18.31	0.63 0.63
PV143	PV144	77.90	DN150	1.00	0.0058	0.71 0.72	19.44 19.51	0.60 0.60
PV144	PV145	40.73	DN150	2.18	0.0031	0.72 0.72	16.24 16.27	0.70
PV145	PV148	70.93	DN150	0.85	0.0053	1.50 1.51	29.09 29.14	0.62
PV146	PV147	74.08	DN150	0.88	0.0056	1.42 1.42	28.05 28.11	0.62
PV147	PV148	75.82	DN150	0.87	0.0057	1.43 1.44	28.27 28.33	0.62
PV148	PV149	95.06	DN150	0.96	0.0071	2.95 2.96	39.51 39.56	0.79
PV149	PV150	108.77	DN150	1.34	0.0082	2.96 2.96	36.36 36.41	0.89
PV150	PV151	89.74	DN150	1.83	0.0067	2.96 2.97	33.69 33.73	1.00
PV151	PV155	37.60	DN150	0.47	0.0028	-0.58 -0.57	21.03 21.08	0.60
PV151	PV166	50.16	DN150	0.26	0.0038	3.55 3.55	61.44 61.48	0.60
PV153	PV154	84.20	DN150	0.47	0.0063	0.53 0.54	20.23 20.35	0.60 0.60
PV154	PV155	99.78	DN150	0.47	0.0075	0.55 0.55	20.56 20.69	0.60 0.60
PV159	PV160	81.64	DN150	2.13	0.0061	0.47 0.48	13.35 13.44	0.61 0.61
PV160	PV161	84.43	DN150	2.47	0.0063	10.48 10.48	59.98 60.00	1.59
PV161	PV162	79.51	DN150	2.78	0.0060	-0.36 -0.36	10.97 11.06	0.60 0.60



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PV161	PV164	72.06	DN150	0.96	0.0054	10.84 10.85	80.24 80.26	1.13
PV164	PV165	79.07	DN150	1.20	0.0059	10.85 10.86	75.00 75.02	1.23
PV165	PV166	57.56	DN150	1.06	0.0043	10.86 10.86	77.87 77.89	1.17
PV166	PV167	66.35	DN200	0.20	0.0066	14.41 14.42	129.92 129.96	0.67
PV167	PV168	63.77	DN200	0.20	0.0064	14.43 14.44	130.03 130.08	0.67
PV168	PV169	51.22	DN200	0.20	0.0051	14.44 14.44	130.08 130.11	0.67
PV169	PV178	97.42	DN150	2.83	0.0073	-0.46 -0.45	12.26 12.35	0.60 0.60
PV169	PV179	63.71	DN200	0.20	0.0064	14.90 14.91	133.04 133.08	0.67
PV171	PV172	102.34	DN150	2.50	0.0077	0.42 0.42	12.10 12.20	0.62 0.62
PV172	PV173	90.35	DN150	2.50	0.0068	0.43 0.44	12.36 12.45	0.63 0.63
PV173	PV181	71.88	DN150	2.50	0.0054	0.45 0.46	12.60 12.68	0.64 0.64
PV176	PV177	83.16	DN150	2.50	0.0062	0.41 0.42	12.08 12.16	0.62 0.62
PV177	PV178	74.74	DN150	2.64	0.0056	0.43 0.44	12.17 12.24	0.64 0.64
PV179	PV180	31.88	DN200	0.20	0.0032	14.91 14.91	133.08 133.10	0.67
PV180	PV181	59.24	DN150	2.28	0.0044	-0.47 -0.47	13.11 13.17	0.60 0.60
PV183	PV184	74.68	DN150	2.60	0.0056	0.41 0.42	11.98 12.06	0.63 0.63
PV184	PV186	82.78	DN150	2.83	0.0062	0.43 0.44	11.97 12.05	0.65 0.66
PV186	PV187	66.33	DN150	2.28	0.0050	0.46 0.47	12.98 13.04	0.62 0.62
PV189	PV190	64.84	DN150	1.73	0.0049	0.59 0.60	15.63 15.69	0.61 0.61
PV189	PV197	27.98	DN150	3.54	0.0021	-0.51 -0.51	12.24 12.26	0.60 0.60
PV190	PV191	59.07	DN150	1.74	0.0044	0.61 0.61	15.80 15.85	0.61 0.61
PV191	PV192	68.28	DN150	2.05	0.0051	0.62 0.63	15.39 15.45	0.65 0.66
PV192	PV193	62.30	DN150	2.07	0.0047	0.64 0.65	15.55 15.61	0.66 0.66
PV193	PV202	26.51	DN200	0.20	0.0027	16.53 16.53	143.85 143.86	0.68
PV195	PV196	86.36	DN150	2.20	0.0065	0.47 0.48	13.24 13.33	0.62 0.62
PV196	PV197	63.20	DN150	2.20	0.0047	0.49 0.49	13.48 13.54	0.62 0.62
PV198	PV199	80.53	DN150	3.73	0.0060	0.35 0.36	10.16 10.24	0.68 0.68
PV199	PV201	63.00	DN150	2.54	0.0047	0.37 0.38	11.44 11.51	0.60 0.61
PV201	PV202	62.99	DN150	2.33	0.0047	0.44 0.44	12.57 12.63	0.61 0.62
PV202	PV203	71.99	DN200	0.20	0.0072	16.97 16.98	146.96 147.02	0.69

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PV203	PV205	73.32	DN150	2.77	0.0055	-0.38 -0.37	11.19 11.27	0.60 0.60
PV203	PV207	79.65	DN200	0.20	0.0080	17.35 17.36	149.75 149.81	0.69
PV204	PV205	51.59	DN150	2.81	0.0039	0.35 0.36	10.93 10.98	0.62 0.62
PV207	PV208	89.64	DN200	0.20	0.0090	17.36 17.37	149.81 149.88	0.69
PV208	PV209	82.22	DN200	0.20	0.0082	17.37 17.38	149.88 149.94	0.69
PV209	PV210	29.68	DN200	0.20	0.0030	17.38 17.38	149.96 149.98	0.69
PV210	PV211	63.56	DN200	0.20	0.0064	17.38 17.39	149.96 150.01	0.69
PV211	PV212	63.42	DN200	0.20	0.0063	17.39 17.40	150.01 150.06	0.69
PV212	PV213	12.06	DN200	0.20	0.0012	17.40 17.40	150.07 150.08	0.69
PV213	PV933	91.71	DN150	0.80	0.0069	-1.61 -1.60	30.44 30.50	0.60
PV213	PV934	77.23	DN250	0.20	0.0097	20.91 20.92	140.27 140.31	0.74
PV213	PV955	31.40	DN150	1.40	0.0024	-1.91 -1.91	28.93 28.95	0.60
PV214	PV215	97.65	DN150	1.60	0.0073	0.47 0.48	14.32 14.42	0.60 0.60
PV215	PV931	71.81	DN150	1.20	0.0054	-1.02 -1.02	22.11 22.16	0.60
PV215	PV932	29.94	DN150	0.90	0.0022	1.51 1.52	28.81 28.83	0.64
PV218	PV220	92.92	DN150	4.08	0.0070	0.24 0.25	8.30 8.42	0.62 0.63
PV220	PV223	103.34	DN150	2.50	0.0078	0.39 0.39	11.68 11.79	0.61 0.61
PV222	PV223	93.15	DN150	4.02	0.0070	0.24 0.25	8.37 8.48	0.62 0.62
PV223	PV224	53.28	DN150	2.30	0.0040	0.65 0.66	15.29 15.33	0.69 0.69
PV225	PV226	70.45	DN150	0.98	0.0053	2.96 2.96	39.37 39.40	0.80
PV225	PV233	73.63	DN150	2.90	0.0055	-0.37 -0.36	10.94 11.02	0.60 0.60
PV226	PV227	55.80	DN150	1.16	0.0042	2.97 2.98	37.83 37.86	0.85
PV227	PV228	85.19	DN150	1.98	0.0064	3.61 3.61	36.43 36.46	1.09
PV227	PV237	61.21	DN150	2.24	0.0046	-0.62 -0.61	14.94 14.99	0.60 0.60
PV228	PV263	104.36	DN150	2.05	0.0078	3.62 3.63	36.22 36.25	1.10
PV230	PV240	132.19	DN150	1.82	0.0099	-0.60 -0.59	15.39 15.51	0.60 0.60
PV230	PV241	75.12	DN150	2.02	0.0056	0.62 0.62	15.33 15.40	0.65 0.65
PV231	PV232	127.66	DN150	3.00	0.0096	0.32 0.33	10.25 10.39	0.61 0.62
PV232	PV233	54.41	DN150	3.42	0.0041	0.34 0.35	10.24 10.30	0.65 0.65
PV235	PV236	89.06	DN150	2.19	0.0067	0.59 0.59	14.72 14.80	0.66 0.66

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PV236	PV237	89.76	DN150	2.38	0.0067	0.59	14.50	0.68
						0.60	14.58	0.68
PV238	PV250	61.71	DN150	1.99	0.0046	0.59	15.06	0.64
						0.59	15.12	0.64
PV241	PV242	73.11	DN150	1.50	0.0055	0.68	17.25	0.60
						0.68	17.32	0.60
PV242	PV243	74.81	DN150	2.35	0.0056	0.68	15.56	0.71
						0.69	15.62	0.71
PV243	PV245	89.54	DN150	2.87	0.0067	0.71	15.07	0.76
						0.71	15.14	0.77
PV245	PV246	89.92	DN150	2.27	0.0067	0.71	16.01	0.71
						0.72	16.09	0.71
PV246	PV247	49.66	DN150	1.61	0.0037	0.73	17.59	0.63
						0.74	17.63	
PV247	PV261	97.71	DN150	2.27	0.0073	0.75	16.37	0.72
						0.76	16.44	0.72
PV248	PV266	74.16	DN150	1.87	0.0056	-0.59	15.22	0.60
						-0.58	15.29	0.60
PV248	PV267	71.98	DN150	1.99	0.0054	0.60	15.22	0.64
						0.61	15.28	0.64
PV250	PV251	81.89	DN150	1.50	0.0061	0.70	17.48	0.61
						0.70	17.55	0.61
PV251	PV253	75.74	DN150	1.72	0.0057	0.72	17.19	0.64
						0.73	17.26	0.64
PV253	PV254	73.11	DN150	1.76	0.0055	0.74	17.28	0.65
						0.74	17.34	0.65
PV254	PV255	74.81	DN150	1.74	0.0056	0.74	17.40	0.65
						0.75	17.46	0.65
PV255	PV257	89.79	DN150	2.45	0.0067	0.77	16.26	0.74
						0.77	16.32	0.74
PV257	PV258	89.89	DN150	2.04	0.0067	0.77	17.06	0.70
						0.78	17.13	0.70
PV258	PV259	52.11	DN150	2.15	0.0039	5.15	42.77	1.24
						5.15	42.79	
PV258	PV275	71.55	DN150	2.43	0.0054	-4.37	38.10	0.60
						-4.37	38.13	
PV259	PV260	98.33	DN150	2.23	0.0074	5.15	42.40	1.26
						5.16	42.43	
PV260	PV924	104.63	DN150	2.29	0.0078	5.18	42.18	1.27
						5.18	42.21	
PV261	PV262	98.25	DN150	2.10	0.0074	0.76	16.76	0.70
						0.76	16.84	0.70
PV262	PV263	76.19	DN150	1.61	0.0057	0.77	18.06	0.64
						0.78	18.12	0.64
PV263	PV958	73.76	DN150	2.14	0.0055	4.42	39.61	1.19
						4.43	39.64	
PV265	PV266	81.85	DN150	2.47	0.0061	0.47	12.89	0.64
						0.48	12.97	0.64
PV267	PV268	85.10	DN150	1.32	0.0064	1.21	23.49	0.68
						1.21	23.55	0.68
PV267	PV278	71.67	DN150	1.95	0.0054	-0.59	15.07	0.60
						-0.58	15.14	0.60
PV268	PV270	69.39	DN150	0.99	0.0052	1.81	30.71	0.70
						1.82	30.76	
PV268	PV281	74.23	DN150	3.17	0.0056	-0.59	13.44	0.60
						-0.58	13.50	0.60
PV270	PV271	69.75	DN150	1.61	0.0052	2.42	31.46	0.90
						2.42	31.50	
PV270	PV284	80.18	DN150	2.25	0.0060	-0.59	14.57	0.60
						-0.58	14.64	0.60

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PV271	PV272	82.70	DN150	1.54	0.0062	3.01 3.02	35.49 35.53	0.94
PV271	PV287	73.58	DN150	3.03	0.0055	-0.59 -0.58	13.57 13.63	0.60 0.60
PV272	PV274	92.46	DN150	2.64	0.0069	3.50 3.51	33.42 33.45	1.19
PV272	PV290	65.58	DN150	2.26	0.0049	-0.47 -0.47	13.09 13.15	0.60 0.60
PV274	PV275	87.56	DN150	2.76	0.0066	3.51 3.51	33.07 33.10	1.21
PV275	PV296	78.03	DN150	1.85	0.0059	-0.85 -0.85	18.24 18.30	0.60 0.60
PV277	PV278	81.50	DN150	2.40	0.0061	0.47 0.48	12.98 13.06	0.64 0.64
PV280	PV281	81.52	DN150	2.45	0.0061	0.47 0.48	12.91 12.99	0.64 0.64
PV283	PV284	77.53	DN150	2.32	0.0058	0.47 0.48	13.08 13.15	0.63 0.63
PV286	PV287	77.52	DN150	2.30	0.0058	0.47 0.48	13.11 13.19	0.63 0.63
PV289	PV290	77.53	DN150	2.73	0.0058	0.35 0.36	11.00 11.08	0.61 0.61
PV292	PV293	83.91	DN150	3.04	0.0063	0.32 0.33	10.23 10.32	0.61 0.62
PV293	PV296	107.18	DN150	1.77	0.0080	0.56 0.57	15.13 15.23	0.60 0.60
PV295	PV296	54.94	DN150	3.70	0.0041	0.26 0.27	8.87 8.93	0.62 0.62
PV298	PV299	76.01	DN150	2.30	0.0057	0.41 0.42	12.33 12.41	0.60 0.60
PV299	PV302	73.05	DN150	0.94	0.0055	1.30 1.30	26.38 26.43	0.62
PV301	PV302	73.58	DN150	2.32	0.0055	0.41 0.42	12.29 12.37	0.60 0.61
PV302	PV305	76.74	DN150	0.90	0.0058	1.73 1.74	30.78 30.83	0.66
PV304	PV305	70.89	DN150	2.36	0.0053	0.41 0.42	12.25 12.32	0.61 0.61
PV305	PV308	77.31	DN150	0.96	0.0058	2.17 2.17	33.89 33.94	0.72
PV307	PV308	55.93	DN150	2.36	0.0042	0.42 0.42	12.27 12.32	0.61 0.61
PV308	PV311	67.12	DN150	1.61	0.0050	2.61 2.61	32.63 32.66	0.92
PV310	PV311	77.05	DN150	2.48	0.0058	0.41 0.42	12.10 12.18	0.62 0.62
PV311	PV314	82.09	DN150	2.11	0.0062	3.03 3.04	32.89 32.92	1.06
PV313	PV314	76.85	DN150	2.49	0.0058	0.41 0.42	12.09 12.17	0.62 0.62
PV314	PV317	74.87	DN150	3.13	0.0056	3.46 3.46	31.83 31.86	1.26
PV316	PV317	77.86	DN150	2.65	0.0058	0.36 0.36	11.09 11.17	0.60 0.61
PV317	PV320	88.51	DN150	3.10	0.0066	3.82 3.83	33.55 33.58	1.30
PV319	PV320	77.39	DN150	2.86	0.0058	0.36 0.36	10.89 10.97	0.62 0.62
PV320	PV323	59.03	DN150	3.66	0.0044	4.19 4.19	33.69 33.71	1.41

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PV322	PV323	76.10	DN150	2.77	0.0057	0.36	10.97	0.61
						0.36	11.05	0.62
PV323	PV326	76.69	DN150	3.42	0.0058	4.56	35.74	1.41
						4.56	35.76	
PV325	PV326	75.85	DN150	2.79	0.0057	0.36	10.95	0.61
						0.36	11.03	0.62
PV326	PV329	78.16	DN150	2.90	0.0059	4.92	38.71	1.36
						4.93	38.73	
PV328	PV329	78.57	DN150	2.99	0.0059	0.36	10.77	0.63
						0.36	10.85	0.63
PV329	PV633	90.08	DN150	2.27	0.0068	5.29	42.78	1.27
						5.30	42.81	
PV330	PV331	76.11	DN150	2.30	0.0057	-0.42	12.32	0.60
						-0.41	12.40	0.60
PV330	PV334	74.75	DN150	1.08	0.0056	1.12	23.75	0.62
						1.13	23.80	
PV333	PV337	73.62	DN150	0.76	0.0055	0.58	18.88	0.60
						0.59	18.97	0.60
PV334	PV335	80.15	DN150	2.25	0.0060	-0.44	12.71	0.60
						-0.44	12.79	0.60
PV334	PV338	75.90	DN150	1.00	0.0057	1.67	29.48	0.68
						1.68	29.52	
PV337	PV341	76.21	DN150	2.00	0.0057	0.69	16.28	0.67
						0.70	16.34	0.67
PV338	PV339	80.55	DN150	2.27	0.0060	-0.44	12.67	0.60
						-0.44	12.75	0.60
PV338	PV343	81.31	DN150	0.61	0.0061	2.23	38.38	0.62
						2.23	38.43	
PV341	PV345	82.21	DN150	1.39	0.0062	0.80	19.07	0.62
						0.81	19.14	0.62
PV343	PV346	63.68	DN150	0.83	0.0048	2.34	36.44	0.70
						2.34	36.48	
PV344	PV345	69.71	DN150	1.78	0.0052	0.59	15.48	0.61
						0.59	15.55	0.61
PV345	PV349	61.37	DN150	1.74	0.0046	1.51	24.47	0.80
						1.51	24.50	
PV346	PV350	79.15	DN150	1.10	0.0059	2.37	34.19	0.78
						2.37	34.23	
PV348	PV349	77.22	DN150	2.03	0.0058	0.52	14.11	0.62
						0.52	14.19	0.62
PV349	PV353	82.20	DN150	1.87	0.0062	2.04	27.84	0.90
						2.05	27.88	
PV350	PV354	75.02	DN150	1.83	0.0056	2.39	30.33	0.94
						2.40	30.36	
PV352	PV353	74.64	DN150	2.26	0.0056	0.44	12.68	0.61
						0.44	12.76	0.61
PV353	PV357	74.32	DN150	2.49	0.0056	2.49	28.63	1.06
						2.49	28.66	
PV356	PV357	74.86	DN150	2.38	0.0056	0.41	12.22	0.61
						0.42	12.29	0.61
PV357	PV361	71.81	DN150	2.90	0.0054	2.91	29.80	1.17
						2.92	29.83	
PV360	PV361	75.82	DN150	2.30	0.0057	0.41	12.31	0.60
						0.42	12.39	0.60
PV361	PV365	76.70	DN150	2.75	0.0058	3.34	32.29	1.19
						3.34	32.31	
PV362	PV366	75.34	DN150	2.85	0.0057	3.30	31.81	1.21
						3.30	31.83	
PV362	PV401	73.98	DN150	2.73	0.0055	-0.40	11.50	0.60
						-0.39	11.58	0.60

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PV364	PV365	74.92	DN150	2.28	0.0056	0.44	12.66	0.61
						0.44	12.74	0.61
PV365	PV369	75.39	DN150	3.12	0.0057	3.79	33.32	1.29
						3.79	33.35	
PV366	PV370	76.81	DN150	2.63	0.0058	3.63	34.04	1.20
						3.63	34.07	
PV366	PV404	73.88	DN150	3.65	0.0055	-0.30	9.44	0.60
						-0.30	9.52	0.60
PV368	PV369	77.95	DN150	2.48	0.0058	0.41	12.10	0.62
						0.42	12.18	0.62
PV369	PV374	78.05	DN150	2.80	0.0059	4.21	36.12	1.28
						4.22	36.15	
PV370	PV624	87.63	DN150	2.27	0.0066	3.66	35.48	1.15
						3.67	35.52	
PV372	PV627	86.69	DN150	3.50	0.0065	0.27	9.18	0.61
						0.28	9.28	0.62
PV374	PV630	93.46	DN150	2.72	0.0070	4.22	36.43	1.27
						4.23	36.46	
PV376	PV377	69.23	DN150	2.30	0.0052	0.41	12.31	0.60
						0.42	12.39	0.60
PV377	PV380	75.36	DN150	1.36	0.0057	0.77	18.73	0.60
						0.77	18.80	0.61
PV379	PV380	75.42	DN150	2.41	0.0057	0.41	12.17	0.61
						0.42	12.25	0.61
PV380	PV383	75.00	DN150	1.04	0.0056	1.20	24.89	0.63
						1.21	24.94	
PV382	PV383	68.46	DN150	2.52	0.0051	0.44	12.37	0.63
						0.44	12.44	0.63
PV383	PV386	81.71	DN150	0.82	0.0061	1.66	30.88	0.63
						1.67	30.94	
PV385	PV386	73.44	DN150	2.81	0.0055	0.38	11.27	0.63
						0.38	11.34	0.63
PV386	PV387	68.94	DN150	1.00	0.0052	2.07	32.72	0.73
						2.07	32.76	
PV387	PV388	72.18	DN150	2.96	0.0054	-0.33	10.28	0.60
						-0.32	10.36	0.60
PV387	PV390	72.29	DN150	1.80	0.0054	2.41	30.53	0.93
						2.41	30.56	
PV390	PV391	73.97	DN150	2.85	0.0055	-0.33	10.37	0.60
						-0.32	10.46	0.60
PV390	PV393	75.73	DN150	1.73	0.0057	2.75	32.93	0.96
						2.76	32.96	
PV393	PV394	71.60	DN150	2.44	0.0054	-0.42	12.14	0.60
						-0.41	12.21	0.60
PV393	PV396	70.70	DN150	1.77	0.0053	3.18	35.21	1.01
						3.19	35.24	
PV396	PV399	77.47	DN150	1.78	0.0058	3.20	35.24	1.01
						3.20	35.27	
PV399	PV402	75.34	DN150	1.59	0.0057	3.21	36.30	0.97
						3.21	36.34	
PV402	PV405	75.56	DN150	1.44	0.0057	3.23	37.32	0.94
						3.23	37.35	
PV405	PV618	88.39	DN150	1.56	0.0066	3.24	36.65	0.97
						3.24	36.69	
PV407	PV621	88.70	DN150	3.00	0.0067	0.36	10.76	0.63
						0.36	10.86	0.63
PV411	PV412	75.60	DN150	2.29	0.0057	0.41	12.34	0.60
						0.42	12.42	0.60
PV412	PV414	73.84	DN150	1.00	0.0055	1.18	24.88	0.62
						1.19	24.93	

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PV413	PV414	72.16	DN150	0.92	0.0054	-1.30 -1.29	26.52 26.57	0.60
PV413	PV415	75.52	DN150	0.85	0.0057	1.41 1.42	28.20 28.25	0.61
PV415	PV437	75.95	DN150	0.80	0.0057	1.52 1.53	29.71 29.76	0.61
PV418	PV420	73.55	DN150	3.07	0.0055	0.30 0.31	9.95 10.03	0.61 0.61
PV420	PV421	83.08	DN150	2.18	0.0062	-0.46 -0.45	12.97 13.06	0.60 0.60
PV420	PV426	72.58	DN150	0.94	0.0054	1.52 1.53	28.60 28.65	0.65
PV423	PV424	87.74	DN150	2.04	0.0066	-0.56 -0.55	14.55 14.64	0.60 0.60
PV423	PV428	75.63	DN150	0.86	0.0057	1.31 1.31	27.09 27.15	0.60
PV426	PV431	75.35	DN150	0.90	0.0057	1.63 1.64	29.88 29.93	0.65
PV428	PV430	86.59	DN150	2.26	0.0065	-0.44 -0.44	12.69 12.78	0.60 0.60
PV428	PV432	75.24	DN150	0.70	0.0056	1.77 1.77	33.04 33.09	0.61
PV431	PV435	76.08	DN150	0.78	0.0057	1.87 1.88	33.20 33.25	0.64
PV432	PV433	82.67	DN150	2.52	0.0062	-0.40 -0.39	11.74 11.83	0.60 0.60
PV432	PV453	73.74	DN150	0.60	0.0055	2.18 2.19	38.23 38.28	0.61
PV435	PV444	74.03	DN150	0.68	0.0056	2.17 2.18	37.00 37.05	0.64
PV437	PV438	74.05	DN150	0.80	0.0056	1.64 1.64	30.81 30.86	0.63
PV438	PV439	76.42	DN150	0.75	0.0057	1.75 1.75	32.33 32.39	0.62
PV439	PV440	76.47	DN150	0.61	0.0057	2.05 2.06	36.81 36.86	0.61
PV440	PV441	75.59	DN150	0.70	0.0057	2.29 2.29	37.66 37.71	0.66
PV441	PV442	72.89	DN150	0.70	0.0055	2.40 2.41	38.61 38.66	0.67
PV442	PV443	75.30	DN150	0.70	0.0056	2.51 2.52	39.50 39.55	0.68
PV443	PV468	76.49	DN150	0.70	0.0057	2.64 2.64	40.46 40.51	0.69
PV444	PV445	75.46	DN150	0.70	0.0057	2.28 2.29	37.60 37.64	0.66
PV445	PV447	74.95	DN150	0.60	0.0056	2.79 2.79	43.31 43.36	0.66
PV445	PV456	87.01	DN150	2.53	0.0065	-0.40 -0.39	11.72 11.81	0.60 0.60
PV447	PV448	75.41	DN150	0.58	0.0057	3.30 3.30	47.57 47.62	0.68
PV447	PV459	87.17	DN150	2.60	0.0065	-0.40 -0.39	11.64 11.73	0.60 0.60
PV448	PV450	75.41	DN150	0.56	0.0057	3.68 3.68	50.99 51.03	0.69
PV448	PV461	87.24	DN150	2.74	0.0065	-0.36 -0.36	11.00 11.10	0.60 0.60
PV450	PV451	75.08	DN150	0.71	0.0056	4.03 4.04	50.29 50.33	0.78

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PV450	PV464	84.71	DN150	2.90	0.0064	-0.34	10.52	0.60
						-0.33	10.61	0.60
PV451	PV467	84.48	DN150	3.07	0.0063	-0.34	10.38	0.60
						-0.33	10.47	0.60
PV451	PV481	76.99	DN150	0.53	0.0058	4.39	56.71	0.72
						4.39	56.75	
PV453	PV454	83.15	DN150	2.34	0.0062	-0.42	12.28	0.60
						-0.41	12.36	0.60
PV453	PV455	74.28	DN150	0.51	0.0056	2.62	43.70	0.61
						2.63	43.75	
PV455	PV457	76.46	DN150	0.56	0.0057	2.64	42.80	0.63
						2.64	42.84	
PV457	PV460	75.32	DN150	0.72	0.0056	2.65	40.36	0.69
						2.66	40.40	
PV460	PV462	75.41	DN150	0.62	0.0057	2.67	41.96	0.66
						2.68	42.01	
PV462	PV465	74.15	DN150	0.54	0.0056	2.69	43.69	0.63
						2.69	43.74	
PV465	PV478	76.62	DN150	0.48	0.0057	2.69	45.00	0.60
						2.70	45.05	
PV468	PV469	73.73	DN150	0.70	0.0055	2.65	40.60	0.69
						2.66	40.64	
PV469	PV470	80.30	DN150	0.78	0.0060	2.67	39.56	0.72
						2.68	39.60	
PV470	PV471	70.36	DN150	0.77	0.0053	2.68	39.74	0.71
						2.68	39.78	
PV471	PV472	78.93	DN150	0.90	0.0059	2.69	38.37	0.75
						2.70	38.41	
PV472	PV473	69.09	DN150	0.72	0.0052	2.70	40.59	0.70
						2.70	40.63	
PV473	PV474	71.71	DN150	0.91	0.0054	2.71	38.41	0.76
						2.71	38.45	
PV474	PV475	75.37	DN150	1.00	0.0057	2.71	37.56	0.78
						2.72	37.60	
PV475	PV476	76.56	DN150	1.72	0.0057	2.72	32.79	0.95
						2.73	32.83	
PV476	PV477	74.15	DN150	1.66	0.0056	2.73	33.15	0.94
						2.74	33.18	
PV477	PV614	87.18	DN150	1.86	0.0065	2.74	32.28	0.98
						2.75	32.32	
PV478	PV482	73.56	DN150	0.50	0.0055	2.70	44.58	0.61
						2.71	44.63	
PV480	PV481	80.68	DN150	3.23	0.0061	0.30	9.73	0.61
						0.30	9.83	0.62
PV481	PV485	73.16	DN150	0.55	0.0055	4.71	58.51	0.74
						4.72	58.54	
PV482	PV487	75.97	DN150	0.62	0.0057	2.71	42.32	0.66
						2.71	42.36	
PV484	PV485	84.42	DN150	2.97	0.0063	0.32	10.28	0.61
						0.33	10.38	0.61
PV485	PV490	76.78	DN150	0.60	0.0058	5.04	59.20	0.78
						5.05	59.24	
PV487	PV491	74.86	DN150	0.53	0.0056	2.71	43.99	0.63
						2.72	44.04	
PV489	PV490	88.52	DN150	2.84	0.0066	0.33	10.57	0.61
						0.34	10.67	0.61
PV490	PV494	74.33	DN150	0.63	0.0056	5.39	60.51	0.81
						5.39	60.54	
PV491	PV496	73.13	DN150	0.50	0.0055	2.72	44.80	0.61
						2.72	44.84	



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PV493	PV494	84.06	DN150	3.03	0.0063	0.32	10.23	0.61
						0.33	10.33	0.62
PV494	PV499	72.17	DN150	0.79	0.0054	5.72	58.84	0.89
						5.73	58.87	
PV496	PV542	71.45	DN150	0.50	0.0054	2.72	44.84	0.61
						2.73	44.89	
PV498	PV499	84.02	DN150	3.30	0.0063	0.30	9.68	0.62
						0.30	9.78	0.62
PV499	PV503	71.50	DN150	0.74	0.0054	6.03	61.62	0.88
						6.04	61.65	
PV502	PV503	84.03	DN150	3.48	0.0063	0.30	9.57	0.63
						0.30	9.66	0.63
PV503	PV508	75.80	DN150	0.67	0.0057	6.34	65.08	0.86
						6.34	65.11	
PV505	PV509	76.67	DN150	0.50	0.0057	3.06	47.65	0.63
						3.07	47.70	
PV505	PV542	74.11	DN150	0.50	0.0056	-3.06	47.61	0.60
						-3.06	47.65	
PV507	PV508	83.97	DN150	3.33	0.0063	0.30	9.66	0.62
						0.30	9.75	0.62
PV508	PV512	75.31	DN150	0.81	0.0056	6.65	63.46	0.93
						6.65	63.49	
PV509	PV514	73.51	DN150	0.73	0.0055	3.07	43.18	0.73
						3.07	43.22	
PV511	PV512	83.92	DN150	3.09	0.0063	0.30	9.84	0.60
						0.30	9.93	0.61
PV512	PV517	73.38	DN150	1.34	0.0055	6.96	56.75	1.14
						6.96	56.77	
PV514	PV518	76.74	DN150	1.29	0.0058	3.07	37.45	0.89
						3.08	37.49	
PV516	PV517	83.86	DN150	3.32	0.0063	0.30	9.67	0.62
						0.30	9.77	0.62
PV517	PV522	77.68	DN150	1.85	0.0058	7.27	53.20	1.29
						7.27	53.23	
PV518	PV582	86.48	DN150	0.47	0.0065	-6.45	72.77	0.60
						-6.44	72.81	
PV518	PV598	75.13	DN150	1.20	0.0056	9.53	69.53	1.19
						9.54	69.56	
PV520	PV606	82.95	DN150	2.15	0.0062	0.47	13.34	0.61
						0.48	13.43	0.61
PV522	PV610	91.58	DN150	1.94	0.0069	7.28	52.58	1.32
						7.29	52.61	
PV542	PV573	85.24	DN150	3.03	0.0064	-0.33	10.23	0.60
						-0.32	10.33	0.60
PV547	PV548	72.02	DN150	2.47	0.0054	0.41	12.11	0.62
						0.42	12.18	0.62
PV548	PV549	27.57	DN150	1.40	0.0021	0.83	19.29	0.62
						0.83	19.31	
PV549	PV551	59.10	DN150	1.00	0.0044	1.12	24.23	0.61
						1.13	24.28	
PV550	PV551	83.44	DN150	2.72	0.0063	0.41	11.85	0.64
						0.42	11.93	0.64
PV551	PV552	73.41	DN150	0.80	0.0055	1.56	30.07	0.62
						1.56	30.12	
PV552	PV553	83.52	DN150	2.99	0.0063	-0.42	11.58	0.60
						-0.41	11.66	0.60
PV552	PV554	73.15	DN150	0.60	0.0055	2.10	37.50	0.61
						2.11	37.55	
PV554	PV555	78.64	DN150	3.24	0.0059	-0.36	10.58	0.60
						-0.36	10.66	0.60

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PV554	PV556	77.92	DN150	0.52	0.0058	2.47 2.47	42.20 42.26	0.61
PV556	PV557	82.96	DN150	3.08	0.0062	-0.36 -0.36	10.71 10.79	0.60 0.60
PV556	PV558	73.88	DN150	0.50	0.0055	2.84 2.84	45.79 45.84	0.62
PV558	PV559	75.00	DN150	0.50	0.0056	2.84 2.85	45.84 45.89	0.62
PV559	PV560	75.01	DN150	0.50	0.0056	2.85 2.85	45.89 45.94	0.62
PV560	PV561	83.80	DN150	2.71	0.0063	-0.36 -0.36	11.04 11.13	0.60 0.60
PV560	PV562	76.29	DN150	0.53	0.0057	3.22 3.22	48.15 48.19	0.66
PV562	PV563	84.59	DN150	3.01	0.0063	-0.36 -0.36	10.76 10.85	0.60 0.60
PV562	PV564	73.93	DN150	0.50	0.0055	3.58 3.59	51.76 51.80	0.66
PV564	PV565	84.74	DN150	2.74	0.0064	-0.42 -0.41	11.83 11.91	0.60 0.60
PV564	PV566	75.15	DN150	0.50	0.0056	4.01 4.01	54.95 54.99	0.68
PV566	PV567	84.92	DN150	2.72	0.0064	-0.42 -0.41	11.84 11.93	0.60 0.60
PV566	PV568	75.36	DN150	0.47	0.0057	4.44 4.44	59.00 59.04	0.69
PV568	PV569	85.08	DN150	2.42	0.0064	-0.42 -0.41	12.18 12.26	0.60 0.60
PV568	PV570	74.12	DN150	0.47	0.0056	4.86 4.87	62.05 62.09	0.70
PV570	PV571	85.25	DN150	2.76	0.0064	-0.36 -0.36	10.99 11.08	0.60 0.60
PV570	PV572	71.45	DN150	0.47	0.0054	5.23 5.24	64.61 64.65	0.72
PV572	PV575	72.39	DN150	0.47	0.0054	5.24 5.24	64.65 64.68	0.72
PV575	PV576	85.33	DN150	2.57	0.0064	-0.41 -0.40	11.84 11.93	0.60 0.60
PV575	PV577	78.09	DN150	0.47	0.0059	5.65 5.66	67.48 67.52	0.73
PV577	PV578	85.60	DN150	2.85	0.0064	-0.34 -0.33	10.56 10.66	0.60 0.60
PV577	PV579	73.62	DN150	0.47	0.0055	5.99 6.00	69.79 69.83	0.74
PV579	PV580	85.69	DN150	2.46	0.0064	-0.42 -0.41	12.13 12.22	0.60 0.60
PV579	PV581	75.68	DN150	0.47	0.0057	6.42 6.43	72.61 72.65	0.76
PV581	PV582	85.05	DN150	0.47	0.0064	6.43 6.43	72.65 72.69	0.76
PV585	PV586	74.47	DN150	1.35	0.0056	0.77 0.78	18.82 18.89	0.60 0.60
PV586	PV588	76.59	DN150	1.28	0.0057	0.84 0.84	19.81 19.87	0.61 0.61
PV588	PV590	75.47	DN150	1.38	0.0057	0.85 0.86	19.65 19.72	0.63 0.63
PV590	PV592	53.36	DN150	1.50	0.0040	0.87 0.87	19.44 19.49	0.65
PV592	PV604	92.46	DN150	2.27	0.0069	0.89 0.89	17.75 17.82	0.75 0.75

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PV595	PV599	81.72	DN150	3.29	0.0061	0.30	9.69	0.62
						0.30	9.78	0.62
PV596	PV602	67.48	DN150	3.66	0.0051	0.25	8.71	0.61
						0.26	8.79	0.61
PV597	PV603	55.98	DN150	3.79	0.0042	0.24	8.43	0.60
						0.24	8.50	0.61
PV598	PV599	72.81	DN150	1.29	0.0055	9.54	68.20	1.22
						9.55	68.22	
PV599	PV600	22.83	DN150	2.00	0.0017	9.85	61.44	1.45
						9.85	61.44	
PV600	PV602	47.40	DN150	1.56	0.0036	9.85	65.82	1.32
						9.86	65.83	
PV602	PV603	69.27	DN150	1.72	0.0052	10.11	65.02	1.38
						10.12	65.03	
PV603	PV604	51.44	DN150	1.44	0.0039	10.36	69.29	1.30
						10.36	69.31	
PV604	PV634	83.33	DN150	1.40	0.0062	11.26	73.21	1.31
						11.26	73.23	
PV606	PV607	88.39	DN150	1.97	0.0066	0.54	14.47	0.62
						0.54	14.56	0.62
PV607	PV609	82.48	DN150	2.15	0.0062	0.56	14.49	0.64
						0.57	14.56	0.65
PV609	PV661	85.75	DN150	2.01	0.0064	0.58	14.94	0.63
						0.59	15.02	0.64
PV610	PV611	80.26	DN150	2.18	0.0060	7.30	51.07	1.37
						7.30	51.10	
PV611	PV613	83.62	DN150	2.20	0.0063	7.32	51.04	1.38
						7.33	51.06	
PV613	PV673	84.01	DN150	2.24	0.0063	7.34	50.87	1.39
						7.34	50.90	
PV614	PV615	85.64	DN150	2.02	0.0064	2.76	31.73	1.01
						2.77	31.76	
PV615	PV617	85.47	DN150	2.08	0.0064	2.77	31.55	1.02
						2.78	31.59	
PV617	PV690	81.74	DN150	2.02	0.0061	2.79	31.90	1.02
						2.79	31.94	
PV618	PV619	84.28	DN150	2.23	0.0063	3.26	33.61	1.10
						3.26	33.64	
PV619	PV694	81.95	DN150	2.04	0.0061	3.27	34.44	1.07
						3.27	34.47	
PV621	PV622	82.96	DN150	3.00	0.0062	0.54	13.08	0.71
						0.54	13.15	0.72
PV622	PV700	87.58	DN150	2.48	0.0066	0.65	15.03	0.71
						0.66	15.10	0.71
PV624	PV625	83.46	DN150	2.38	0.0063	3.69	35.20	1.17
						3.70	35.23	
PV625	PV712	87.23	DN150	2.01	0.0065	3.73	36.93	1.10
						3.73	36.96	
PV627	PV628	83.83	DN150	2.59	0.0063	0.39	11.58	0.61
						0.39	11.67	0.62
PV628	PV723	79.73	DN150	2.42	0.0060	0.50	13.33	0.65
						0.51	13.40	0.65
PV630	PV631	76.53	DN150	2.64	0.0057	4.24	36.78	1.26
						4.25	36.81	
PV631	PV729	80.51	DN150	2.22	0.0060	4.26	38.51	1.19
						4.27	38.54	
PV632	PV734	84.71	DN150	2.92	0.0064	0.41	11.65	0.65
						0.42	11.74	0.66
PV633	PV735	84.37	DN150	2.52	0.0063	5.30	41.64	1.32
						5.30	41.66	

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PV634	PV635	90.57	DN150	1.35	0.0068	11.27 11.28	74.19 74.22	1.29
PV635	PV636	81.75	DN150	1.33	0.0061	11.30 11.30	74.48 74.51	1.29
PV636	PV637	90.90	DN150	1.38	0.0068	11.31 11.32	73.88 73.91	1.31
PV637	PV638	85.75	DN150	1.08	0.0064	11.34 11.34	79.38 79.41	1.19
PV638	PV639	84.10	DN150	1.28	0.0063	11.36 11.36	75.54 75.57	1.27
PV639	PV640	70.50	DN150	1.43	0.0053	11.38 11.38	73.24 73.26	1.33
PV640	PV641	78.75	DN150	1.65	0.0059	11.40 11.40	70.36 70.38	1.40
PV641	PV642	63.20	DN150	2.39	0.0047	11.41 11.42	63.45 63.46	1.61
PV642	PV643	72.69	DN150	1.61	0.0055	11.42 11.43	70.97 70.99	1.39
PV643	PV644	73.18	DN150	1.60	0.0055	11.43 11.43	71.13 71.15	1.38
PV644	PV645	65.14	DN150	1.44	0.0049	12.80 12.81	78.36 78.38	1.37
PV644	PV873	70.27	DN150	2.99	0.0053	-1.36 -1.35	20.34 20.38	0.60 0.60
PV645	PV646	63.96	DN150	1.49	0.0048	12.81 12.81	77.70 77.72	1.39
PV646	PV647	66.43	DN150	1.73	0.0050	13.21 13.21	75.61 75.63	1.48
PV646	PV908	69.61	DN150	2.43	0.0052	-0.40 -0.39	11.82 11.90	0.60 0.60
PV647	PV648	61.37	DN150	1.89	0.0046	13.21 13.21	73.70 73.71	1.53
PV648	PV649	64.47	DN150	1.68	0.0048	13.54 13.54	77.50 77.52	1.47
PV648	PV909	68.99	DN150	2.96	0.0052	-0.32 -0.32	10.28 10.36	0.60 0.60
PV649	PV650	64.87	DN150	1.68	0.0049	13.54 13.55	77.44 77.46	1.47
PV650	PV651	84.06	DN150	2.00	0.0063	13.96 13.96	74.86 74.88	1.58
PV650	PV910	66.72	DN150	2.38	0.0050	-0.41 -0.40	12.04 12.11	0.60 0.60
PV651	PV652	64.06	DN150	2.00	0.0048	14.30 14.30	75.94 75.96	1.59
PV651	PV911	67.46	DN150	2.88	0.0051	-0.34 -0.33	10.52 10.60	0.60 0.60
PV652	PV653	60.05	DN150	2.00	0.0045	14.32 14.32	76.00 76.01	1.59
PV653	PV654	65.84	DN150	1.30	0.0049	14.67 14.67	88.01 88.03	1.36
PV653	PV912	66.24	DN150	2.78	0.0050	-0.35 -0.34	10.79 10.86	0.60 0.60
PV654	PV854	46.79	DN150	1.70	0.0035	15.36 15.36	83.32 83.33	1.52
PV654	PV913	57.91	DN150	1.52	0.0043	-0.68 -0.67	17.12 17.17	0.60 0.60
PV658	PV659	79.64	DN150	2.50	0.0060	0.47 0.48	12.84 12.92	0.64 0.65
PV659	PV660	90.03	DN150	2.04	0.0068	0.49 0.50	13.70 13.79	0.61 0.61

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PV660	PV741	93.85	DN150	2.78	0.0070	0.51	13.02	0.68
						0.52	13.10	0.69
PV661	PV663	82.98	DN150	2.08	0.0062	0.61	15.10	0.65
						0.61	15.18	0.65
PV663	PV664	90.13	DN150	2.00	0.0068	0.62	15.47	0.65
						0.63	15.55	0.65
PV664	PV665	47.35	DN150	2.56	0.0036	0.65	14.86	0.71
						0.65	14.90	0.72
PV665	PV667	62.64	DN150	1.60	0.0047	0.66	16.81	0.61
						0.67	16.87	0.61
PV667	PV668	62.71	DN150	1.60	0.0047	0.67	16.87	0.61
						0.67	16.92	0.61
PV668	PV669	13.40	DN150	1.90	0.0010	0.67	16.24	0.65
						0.67	16.26	
PV669	PV671	93.48	DN150	1.81	0.0070	0.67	16.45	0.64
						0.68	16.53	0.64
PV671	PV672	86.74	DN150	2.82	0.0065	0.68	14.86	0.75
						0.69	14.93	0.75
PV672	PV686	10.77	DN150	3.25	0.0008	0.69	14.44	0.79
							14.45	
PV673	PV675	85.43	DN150	1.70	0.0064	7.36	54.84	1.26
						7.37	54.87	
PV675	PV676	87.84	DN150	2.15	0.0066	7.38	51.56	1.37
						7.39	51.58	
PV676	PV677	85.65	DN150	2.83	0.0064	7.40	48.08	1.52
						7.41	48.10	
PV677	PV678	88.89	DN150	2.45	0.0067	7.41	49.92	1.44
						7.42	49.94	
PV678	PV687	72.83	DN150	1.18	0.0055	13.56	86.38	1.29
						13.57	86.40	
PV678	PV699	83.37	DN150	1.12	0.0063	-6.14	55.67	0.60
						-6.14	55.70	
PV679	PV680	71.53	DN150	3.61	0.0054	0.30	9.48	0.64
						0.30	9.56	0.64
PV680	PV687	75.29	DN150	3.92	0.0056	0.30	9.37	0.66
						0.31	9.45	0.66
PV682	PV683	52.34	DN150	3.04	0.0039	0.32	10.20	0.61
						0.32	10.26	0.61
PV683	PV684	99.16	DN150	1.00	0.0074	1.09	23.85	0.60
						1.09	23.93	0.60
PV684	PV686	74.60	DN150	1.00	0.0056	1.09	23.93	0.60
						1.10	23.99	
PV686	PV769	8.28	DN150	1.00	0.0006	1.79	30.46	0.70
							30.46	
PV687	PV688	75.44	DN150	0.73	0.0057	13.87	103.12	1.07
						13.88	103.15	
PV688	PV689	68.71	DN150	1.00	0.0052	13.88	92.56	1.21
						13.88	92.59	
PV689	PV709	80.61	DN150	1.46	0.0060	13.89	81.98	1.41
						13.89	82.00	
PV690	PV692	89.17	DN150	1.85	0.0067	2.80	32.66	0.99
						2.81	32.70	
PV692	PV693	84.20	DN150	2.39	0.0063	2.81	30.70	1.08
						2.81	30.73	
PV693	PV698	73.81	DN150	2.27	0.0055	2.82	31.16	1.06
						2.82	31.19	
PV694	PV695	85.01	DN150	2.25	0.0064	3.29	33.70	1.11
						3.29	33.73	
PV695	PV697	84.70	DN150	2.08	0.0064	3.30	34.43	1.08
						3.30	34.46	

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PV697	PV698	88.57	DN150	1.89	0.0066	3.30 3.31	35.31 35.34	1.04
PV698	PV699	44.80	DN150	1.54	0.0034	6.13 6.14	51.08 51.09	1.16
PV700	PV701	80.18	DN150	2.00	0.0060	0.67 0.68	16.02 16.09	0.66 0.66
PV701	PV703	88.44	DN150	1.50	0.0066	0.69 0.70	17.44 17.52	0.61 0.61
PV703	PV704	84.61	DN150	1.50	0.0063	0.71 0.72	17.66 17.73	0.61 0.61
PV704	PV705	52.06	DN150	1.40	0.0039	0.73 0.73	18.17 18.22	0.60
PV705	PV706	96.09	DN150	1.50	0.0072	0.91 0.92	19.85 19.93	0.66 0.66
PV706	PV707	94.72	DN150	1.20	0.0071	0.93 0.94	21.16 21.24	0.61 0.61
PV707	PV708	63.45	DN150	1.10	0.0048	1.17 1.18	24.21 24.26	0.64
PV708	PV709	50.94	DN150	1.00	0.0038	1.18 1.18	24.83 24.87	0.61
PV709	PV710	73.98	DN150	1.28	0.0055	15.08 15.08	90.06 90.09	1.36
PV710	PV711	82.25	DN150	1.50	0.0062	15.08 15.09	85.65 85.68	1.45
PV711	PV721	74.57	DN150	1.41	0.0056	-3.95 -3.94	41.57 41.60	0.60
PV711	PV722	80.11	DN150	1.21	0.0060	19.04 19.04	108.64 108.67	1.39
PV712	PV713	81.96	DN150	2.10	0.0061	3.76 3.76	36.66 36.69	1.12
PV713	PV715	86.59	DN150	1.64	0.0065	3.79 3.80	39.20 39.23	1.03
PV715	PV716	85.62	DN150	2.09	0.0064	3.82 3.83	37.01 37.04	1.13
PV716	PV717	60.69	DN150	0.87	0.0046	3.85 3.86	46.44 46.47	0.83
PV717	PV718	70.96	DN150	0.82	0.0053	3.88 3.88	47.42 47.46	0.81
PV718	PV719	95.38	DN150	0.79	0.0072	3.90 3.90	48.01 48.06	0.80
PV719	PV720	60.18	DN150	1.35	0.0045	3.91 3.92	41.90 41.92	0.97
PV720	PV721	79.62	DN150	0.53	0.0060	3.94 3.94	53.63 53.68	0.69
PV722	PV775	72.34	DN150	3.82	0.0054	-0.25 -0.24	8.48 8.57	0.60 0.60
PV722	PV805	73.44	DN150	1.70	0.0055	19.29 19.30	96.65 96.67	1.60
PV723	PV724	88.01	DN150	2.14	0.0066	0.61 0.62	15.09 15.17	0.66 0.66
PV724	PV726	87.52	DN150	1.50	0.0066	0.73 0.74	17.86 17.93	0.61 0.62
PV726	PV727	86.44	DN150	1.80	0.0065	0.84 0.85	18.30 18.37	0.68 0.68
PV727	PV728	59.55	DN150	1.30	0.0045	0.95 0.96	21.02 21.07	0.63
PV728	PV732	17.69	DN150	0.47	0.0013	-4.34 -4.34	58.32 58.33	0.60
PV728	PV798	96.95	DN150	1.05	0.0073	5.31 5.32	52.37 52.41	0.97

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PV729	PV730	84.09	DN150	2.06	0.0063	4.28 4.29	39.36 39.39	1.16
PV730	PV731	89.10	DN150	1.56	0.0067	4.30 4.31	42.35 42.38	1.05
PV731	PV732	88.27	DN150	1.27	0.0066	4.32 4.33	44.73 44.76	0.98
PV734	PV735	39.71	DN150	3.15	0.0030	0.54 0.55	13.00 13.03	0.73 0.73
PV735	PV736	83.72	DN150	1.93	0.0063	5.86 5.87	46.97 47.00	1.24
PV736	PV737	81.89	DN150	1.64	0.0061	5.88 5.88	49.10 49.13	1.17
PV737	PV738	84.34	DN150	1.64	0.0063	5.90 5.91	49.21 49.24	1.17
PV738	PV739	77.82	DN150	1.85	0.0058	5.92 5.92	47.80 47.83	1.22
PV739	PV740	81.08	DN150	2.00	0.0061	5.94 5.94	46.89 46.91	1.26
PV740	PV817	103.51	DN150	1.57	0.0078	5.95 5.96	50.00 50.03	1.15
PV741	PV742	71.18	DN150	1.50	0.0053	0.81 0.82	18.78 18.84	0.63 0.64
PV742	PV743	68.17	DN150	1.41	0.0051	0.83 0.83	19.26 19.31	0.62 0.63
PV743	PV744	74.31	DN150	1.37	0.0056	0.84 0.85	19.56 19.62	0.62 0.62
PV744	PV745	64.37	DN150	3.98	0.0048	-0.23 -0.23	8.15 8.23	0.60 0.60
PV744	PV747	69.37	DN150	1.40	0.0052	1.09 1.10	22.05 22.10	0.68
PV747	PV748	73.18	DN150	1.40	0.0055	1.11 1.11	22.22 22.27	0.68
PV748	PV749	66.42	DN150	2.42	0.0050	-0.39 -0.39	11.82 11.89	0.60 0.60
PV748	PV751	63.37	DN150	1.50	0.0048	1.52 1.53	25.47 25.51	0.76
PV751	PV752	66.50	DN150	1.50	0.0050	1.53 1.53	25.51 25.55	0.77
PV752	PV753	68.53	DN150	3.01	0.0051	-0.31 -0.31	10.05 10.13	0.60 0.60
PV752	PV754	67.62	DN150	1.40	0.0051	1.86 1.86	28.55 28.59	0.79
PV754	PV755	57.91	DN150	1.02	0.0043	1.86 1.86	30.92 30.95	0.71
PV755	PV756	68.84	DN150	4.20	0.0052	-0.22 -0.21	7.84 7.93	0.60 0.60
PV755	PV757	62.32	DN150	1.40	0.0047	2.10 2.10	30.32 30.35	0.82
PV757	PV758	68.22	DN150	0.92	0.0051	2.10 2.11	33.65 33.70	0.71
PV758	PV759	69.52	DN150	3.85	0.0052	-0.24 -0.24	8.40 8.49	0.60 0.60
PV758	PV797	63.77	DN150	1.50	0.0048	2.36 2.37	31.61 31.64	0.87
PV760	PV761	75.03	DN150	3.09	0.0056	0.31 0.31	10.00 10.09	0.61 0.61
PV761	PV768	68.91	DN150	1.18	0.0052	0.90 0.91	20.98 21.04	0.60 0.60
PV767	PV768	68.91	DN150	1.00	0.0052	-1.15 -1.14	24.46 24.52	0.60

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PV767	PV854	101.69	DN150	0.95	0.0076	1.17 1.17	25.02 25.10	0.60 0.60
PV769	PV770	72.41	DN150	2.37	0.0054	1.79 1.79	24.64 24.68	0.94
PV770	PV771	73.40	DN150	2.49	0.0055	1.79 1.80	24.38 24.42	0.96
PV771	PV772	73.40	DN150	2.30	0.0055	1.80 1.80	24.90 24.94	0.93
PV772	PV780	46.37	DN150	3.52	0.0035	1.81 1.81	22.53 22.55	1.09
PV774	PV775	45.53	DN150	3.82	0.0034	0.24 0.24	8.42 8.48	0.61 0.61
PV777	PV779	61.60	DN150	3.00	0.0046	0.35 0.36	10.74 10.81	0.63 0.63
PV779	PV780	65.74	DN150	1.81	0.0049	0.56 0.56	15.01 15.07	0.60 0.61
PV780	PV781	66.62	DN150	1.00	0.0050	2.37 2.38	35.07 35.11	0.76
PV781	PV782	70.42	DN150	0.90	0.0053	2.38 2.38	36.05 36.09	0.73
PV782	PV783	60.85	DN150	4.45	0.0046	-0.21 -0.20	7.54 7.62	0.60 0.60
PV782	PV785	68.42	DN150	0.90	0.0051	2.59 2.60	37.64 37.67	0.75
PV785	PV792	62.69	DN150	1.49	0.0047	2.60 2.60	33.23 33.26	0.89
PV787	PV792	69.63	DN150	2.53	0.0052	0.11 0.12	6.46 6.60	0.60 0.60
PV789	PV791	64.43	DN150	3.50	0.0048	0.28 0.29	9.34 9.42	0.62 0.62
PV791	PV794	73.93	DN150	3.26	0.0055	0.29 0.30	9.65 9.73	0.61 0.62
PV792	PV793	60.50	DN150	1.29	0.0045	2.72 2.72	35.21 35.24	0.86
PV793	PV794	65.33	DN150	1.81	0.0049	2.72 2.73	32.40 32.43	0.97
PV794	PV795	72.76	DN150	3.00	0.0055	-0.33 -0.32	10.25 10.33	0.60 0.60
PV794	PV835	80.58	DN150	0.92	0.0060	3.35 3.36	42.59 42.63	0.81
PV797	PV1146	10.60	DN150	1.40	0.0008	2.38	32.27 32.27	0.85
PV798	PV799	89.15	DN150	0.94	0.0067	5.33 5.34	54.04 54.08	0.93
PV799	PV800	71.05	DN150	1.50	0.0053	5.35 5.35	47.83 47.86	1.10
PV800	PV802	56.87	DN150	0.70	0.0043	5.37 5.37	58.67 58.69	0.84
PV802	PV803	65.35	DN150	0.50	0.0049	5.37 5.38	64.47 64.51	0.74
PV803	PV804	48.69	DN150	0.50	0.0037	5.38 5.38	64.51 64.53	0.74
PV804	PV805	63.30	DN150	2.19	0.0047	5.38 5.39	43.53 43.55	1.26
PV805	PV806	61.98	DN200	1.20	0.0062	24.69 24.69	103.35 103.37	1.51
PV806	PV807	74.27	DN200	1.20	0.0074	24.69 24.70	103.36 103.38	1.51
PV807	PV808	73.92	DN200	1.61	0.0074	24.70 24.71	94.85 94.86	1.68



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PV808	PV809	70.60	DN200	1.34	0.0070	25.13 25.13	100.97 100.98	1.58
PV808	PV816	64.59	DN150	2.51	0.0048	-0.42 -0.41	12.05 12.12	0.60 0.60
PV809	PV822	55.07	DN300	0.20	0.0083	-42.65 -42.64	195.36 195.39	0.60
PV809	PV828	101.16	DN350	0.20	0.0177	67.78 67.80	236.64 236.69	0.98
PV812	PV813	97.42	DN150	1.91	0.0073	0.53 0.54	14.47 14.57	0.61 0.61
PV813	PV814	69.49	DN150	1.59	0.0052	1.14 1.14	21.82 21.87	0.72
PV814	PV815	72.84	DN150	1.11	0.0055	1.20 1.21	24.43 24.48	0.64
PV815	PV821	82.42	DN150	1.10	0.0062	1.21 1.22	24.56 24.62	0.64
PV817	PV818	88.21	DN150	1.83	0.0066	5.97 5.98	48.17 48.20	1.22
PV818	PV819	101.25	DN150	1.97	0.0076	5.99 6.00	47.33 47.36	1.25
PV819	PV820	80.05	DN300	0.20	0.0120	41.39 41.40	191.36 191.40	0.87
PV819	PV941	66.74	DN250	0.23	0.0083	-35.39 -35.38	195.33 195.38	0.60
PV820	PV821	88.79	DN300	0.20	0.0133	41.40 41.41	191.40 191.44	0.87
PV821	PV822	60.67	DN300	0.20	0.0091	42.63 42.64	195.33 195.36	0.87
PV824	PV825	65.40	DN150	2.40	0.0049	0.41 0.42	12.16 12.23	0.61 0.61
PV825	PV826	66.25	DN150	2.57	0.0050	0.43 0.43	12.20 12.26	0.63 0.63
PV826	PV827	9.89	DN150	2.50	0.0007	0.44	12.50 12.51	0.63
PV827	PV828	78.51	DN150	2.24	0.0059	0.46 0.46	12.99 13.07	0.61 0.62
PV828	PV832	68.68	DN350	0.20	0.0120	68.26 68.27	237.87 237.90	0.98
PV829	PV830	70.27	DN150	2.75	0.0053	0.35 0.36	10.98 11.06	0.61 0.61
PV830	PV833	35.22	DN150	2.61	0.0026	0.38 0.38	11.43 11.47	0.61 0.61
PV832	PV833	76.34	DN350	0.20	0.0134	68.27 68.28	237.90 237.94	0.98
PV833	PV834	65.00	DN350	0.20	0.0114	68.66 68.68	238.91 238.94	0.98
PV834	PV835	57.89	DN350	0.20	0.0101	68.68 68.69	238.94 238.97	0.98
PV835	PV836	80.09	DN350	0.20	0.0140	72.04 72.06	247.77 247.80	0.99
PV836	PV837	96.74	DN350	0.20	0.0169	72.06 72.07	247.80 247.85	0.99
PV837	PV838	80.19	DN350	0.20	0.0140	74.47 74.48	254.37 254.41	0.99
PV837	PV1146	105.76	DN150	1.81	0.0079	-2.40 -2.39	30.34 30.39	0.60
PV838	PV839	86.14	DN350	0.20	0.0151	74.48 74.50	254.41 254.45	0.99
PV839	PV840	73.00	DN350	0.20	0.0128	74.50 74.51	254.45 254.49	0.99

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PV840	PV841	65.52	DN150	3.91	0.0049	-0.23 -0.23	8.20 8.29	0.60 0.60
PV840	PV843	92.91	DN350	0.20	0.0163	74.74 74.76	255.14 255.19	0.99
PV843	PV850	105.36	DN350	0.20	0.0184	74.76 74.78	255.19 255.24	0.99
PV845	PV1093	106.09	DN400	0.20	0.0212	-102.05 -102.03	281.39 281.44	0.60
PV850	PV851	100.36	DN350	0.20	0.0176	74.78 74.80	255.24 255.28	0.99
PV851	PV852	71.68	DN350	0.23	0.0125	91.37 91.38	288.39 288.44	1.08
PV851	PV855	59.59	DN150	1.48	0.0045	-16.57 -16.57	91.47 91.48	0.60
PV852	PV853	73.56	DN350	0.23	0.0129	91.38 91.39	288.43 288.48	1.08
PV853	PV906	100.11	DN150	3.64	0.0075	-4.09 -4.09	33.31 33.34	0.60
PV853	PV1069	69.34	DN350	0.23	0.0121	95.49 95.50	305.89 305.95	1.07
PV854	PV855	48.16	DN150	1.20	0.0036	16.55 16.55	98.11 98.12	1.35
PV857	PV858	69.82	DN150	2.00	0.0052	0.58 0.58	14.90 14.97	0.63 0.63
PV858	PV859	59.76	DN150	1.52	0.0045	0.69 0.69	17.29 17.35	0.61 0.61
PV859	PV862	84.11	DN150	1.56	0.0063	0.80 0.81	18.51 18.58	0.64 0.64
PV862	PV863	88.60	DN150	1.19	0.0066	0.91 0.92	21.04 21.12	0.60 0.61
PV863	PV865	84.18	DN150	1.20	0.0063	1.03 1.03	22.23 22.30	0.63 0.63
PV865	PV866	84.98	DN150	0.99	0.0064	1.14 1.15	24.50 24.56	0.61 0.61
PV866	PV868	69.29	DN150	1.07	0.0052	1.26 1.26	25.20 25.25	0.64
PV868	PV869	73.60	DN150	1.79	0.0055	1.27 1.28	22.36 22.41	0.77
PV869	PV870	70.67	DN150	2.17	0.0053	1.29 1.30	21.51 21.55	0.83 0.83
PV870	PV872	69.17	DN150	1.52	0.0052	1.31 1.32	23.63 23.67	0.74
PV872	PV873	75.68	DN150	1.37	0.0057	1.33 1.33	24.36 24.41	0.71
PV874	PV875	69.24	DN150	2.08	0.0052	0.58 0.58	14.77 14.83	0.64 0.64
PV875	PV876	58.96	DN150	1.87	0.0044	0.69 0.69	16.46 16.51	0.65 0.65
PV876	PV878	84.31	DN150	1.26	0.0063	0.99 0.99	21.55 21.62	0.63 0.63
PV878	PV879	88.34	DN150	1.39	0.0066	1.01 1.01	21.22 21.29	0.66 0.66
PV879	PV881	80.98	DN150	1.20	0.0061	1.03 1.04	22.26 22.32	0.63 0.63
PV881	PV882	88.28	DN150	1.18	0.0066	1.05 1.05	22.53 22.60	0.63 0.63
PV882	PV884	71.37	DN150	2.26	0.0054	1.07 1.08	19.47 19.52	0.80 0.80
PV884	PV885	76.94	DN150	1.96	0.0058	1.09 1.09	20.29 20.34	0.76 0.76

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PV885	PV886	65.06	DN150	1.20	0.0049	1.11 1.11	23.03 23.08	0.64
PV886	PV888	74.24	DN150	1.00	0.0056	1.12 1.12	24.17 24.23	0.60
PV888	PV889	70.20	DN150	1.27	0.0053	1.12 1.13	22.88 22.93	0.66
PV889	PV891	66.38	DN150	1.93	0.0050	1.14 1.15	20.87 20.91	0.77
PV891	PV892	63.69	DN150	3.26	0.0048	1.15 1.15	18.43 18.46	0.92 0.93
PV892	PV894	63.61	DN150	2.34	0.0048	2.35 2.36	28.28 28.30	1.02
PV892	PV1026	76.81	DN150	2.04	0.0058	-1.20 -1.19	21.01 21.06	0.60 0.60
PV894	PV895	65.62	DN150	2.27	0.0049	2.37 2.37	28.59 28.62	1.01
PV895	PV897	64.76	DN150	1.91	0.0049	2.70 2.70	31.81 31.84	0.99
PV895	PV1064	75.26	DN150	2.99	0.0056	-0.33 -0.32	10.25 10.34	0.60 0.60
PV897	PV898	66.77	DN150	1.86	0.0050	2.72 2.72	32.15 32.18	0.98
PV898	PV900	80.71	DN150	2.90	0.0061	3.08 3.09	30.65 30.68	1.19
PV898	PV1065	72.69	DN150	2.74	0.0055	-0.36 -0.36	11.00 11.08	0.60 0.60
PV900	PV902	60.53	DN150	1.97	0.0045	3.41 3.42	35.52 35.55	1.07
PV900	PV1066	75.17	DN150	2.98	0.0056	-0.33 -0.32	10.27 10.35	0.60 0.60
PV902	PV903	60.32	DN150	1.97	0.0045	3.43 3.44	35.58 35.60	1.07
PV903	PV905	64.76	DN150	1.24	0.0049	3.76 3.77	41.96 41.99	0.93
PV903	PV1067	78.01	DN150	3.04	0.0059	-0.33 -0.32	10.22 10.31	0.60 0.60
PV905	PV906	63.00	DN150	1.27	0.0047	3.78 3.78	41.76 41.79	0.94
PV906	PV1068	79.84	DN150	3.23	0.0060	-0.30 -0.30	9.73 9.82	0.60 0.60
PV913	PV914	63.10	DN150	2.00	0.0047	-0.53 -0.53	14.28 14.34	0.60 0.60
PV916	PV917	95.73	DN150	3.29	0.0072	0.42 0.42	11.34 11.43	0.68 0.69
PV917	PV920	78.55	DN150	2.20	0.0059	0.43 0.44	12.73 12.81	0.60 0.60
PV918	PV919	75.93	DN150	3.00	0.0057	0.47 0.48	12.31 12.38	0.69 0.69
PV919	PV920	80.65	DN150	2.91	0.0060	0.49 0.50	12.61 12.68	0.69 0.69
PV920	PV921	61.40	DN150	1.55	0.0046	0.95 0.95	20.09 20.60	0.67
PV921	PV922	66.49	DN150	4.32	0.0050	-0.24 -0.24	8.19 8.27	0.60 0.60
PV921	PV924	65.36	DN150	1.82	0.0049	1.21 1.21	21.71 21.76	0.76
PV924	PV925	64.68	DN150	3.28	0.0049	6.41 6.41	42.94 42.95	1.53
PV925	PV978	106.31	DN150	0.61	0.0080	6.42 6.43	67.36 67.40	0.84

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PV926	PV942	71.79	DN150	2.84	0.0054	0.36	10.90	0.62
						0.36	10.98	0.62
PV927	PV928	90.37	DN150	2.50	0.0068	0.41	12.09	0.62
						0.42	12.18	0.62
PV928	PV929	73.53	DN150	2.00	0.0055	0.54	14.44	0.62
						0.55	14.51	0.62
PV929	PV930	74.45	DN150	1.50	0.0056	0.98	20.56	0.67
						0.98	20.61	0.67
PV929	PV944	77.00	DN150	2.34	0.0058	-0.42	12.28	0.60
						-0.41	12.37	0.60
PV930	PV931	52.13	DN150	1.60	0.0039	1.00	20.47	0.69
						1.00	20.51	
PV932	PV933	99.49	DN150	0.90	0.0075	1.53	28.98	0.64
						1.54	29.04	
PV934	PV935	62.04	DN250	0.20	0.0078	20.92	140.32	0.74
						20.93	140.35	
PV935	PV936	107.15	DN250	0.20	0.0134	20.93	140.35	0.74
						20.94	140.40	
PV936	PV937	17.47	DN250	0.20	0.0022	20.94	140.41	0.74
						20.94	140.42	
PV937	PV938	91.96	DN250	0.20	0.0115	21.51	142.77	0.74
						21.52	142.82	
PV937	PV975	76.99	DN150	2.22	0.0058	-0.56	14.22	0.60
						-0.55	14.29	0.60
PV938	PV939	90.96	DN250	0.20	0.0114	21.52	142.81	0.74
						21.53	142.86	
PV939	PV940	36.82	DN250	0.20	0.0046	21.53	142.86	0.74
						21.53	142.88	
PV940	PV941	117.45	DN250	0.23	0.0147	34.45	190.64	0.86
						34.47	190.71	
PV940	PV973	90.59	DN150	2.79	0.0068	-12.92	65.08	0.60
						-12.92	65.10	
PV941	PV1004	92.54	DN150	1.53	0.0069	-0.91	19.67	0.60
						-0.90	19.74	0.60
PV942	PV945	69.45	DN150	1.80	0.0052	0.65	16.21	0.63
						0.66	16.27	0.63
PV945	PV948	74.59	DN150	1.78	0.0056	0.67	16.51	0.64
						0.68	16.58	0.64
PV947	PV957	73.97	DN150	2.35	0.0055	0.41	12.25	0.61
						0.42	12.33	0.61
PV948	PV949	79.74	DN150	1.20	0.0060	0.91	21.00	0.61
						0.92	21.06	0.61
PV949	PV953	92.15	DN150	1.20	0.0069	0.94	21.25	0.61
						0.94	21.32	0.61
PV951	PV956	92.66	DN150	1.39	0.0069	0.78	18.77	0.61
						0.79	18.85	0.61
PV951	PV957	79.23	DN150	1.60	0.0059	-0.66	16.67	0.60
						-0.65	16.74	0.60
PV953	PV954	97.29	DN150	1.07	0.0073	1.06	23.17	0.61
						1.07	23.25	0.61
PV954	PV955	72.04	DN150	1.62	0.0054	1.08	21.20	0.71
						1.09	21.25	0.71
PV955	PV956	96.25	DN150	1.39	0.0072	-0.81	18.99	0.60
						-0.80	19.07	0.60
PV958	PV959	65.25	DN150	1.52	0.0049	4.44	43.35	1.05
						4.45	43.37	
PV959	PV961	10.57	DN150	1.23	0.0008	4.46	45.84	0.97
							45.85	
PV961	PV962	72.08	DN150	1.42	0.0054	4.47	44.30	1.03
						4.48	44.33	

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PV962	PV963	72.96	DN150	1.29	0.0055	4.49 4.50	45.48 45.51	0.99
PV963	PV965	90.46	DN150	1.85	0.0068	4.51 4.52	41.57 41.60	1.13
PV965	PV966	99.45	DN150	0.47	0.0075	4.53 4.54	59.71 59.76	0.69
PV966	PV968	41.70	DN150	0.47	0.0031	4.56 4.56	59.88 59.90	0.69
PV968	PV970	81.89	DN150	0.47	0.0061	4.57 4.58	59.99 60.03	0.69
PV970	PV971	81.69	DN150	0.87	0.0061	4.59 4.60	50.97 51.01	0.87
PV971	PV973	100.64	DN150	1.24	0.0075	12.80 12.81	82.02 82.05	1.29
PV971	PV1001	75.96	DN150	2.20	0.0057	-8.10 -8.10	53.85 53.87	0.60
PV974	PV975	88.76	DN150	2.07	0.0067	0.53 0.54	14.22 14.30	0.63 0.63
PV977	PV978	88.52	DN150	3.10	0.0066	0.30 0.30	9.84 9.94	0.60 0.61
PV978	PV983	73.63	DN150	1.36	0.0055	6.74 6.74	55.52 55.54	1.13
PV980	PV984	76.75	DN150	2.46	0.0058	0.47 0.48	12.90 12.97	0.64 0.64
PV982	PV983	80.53	DN150	2.72	0.0060	0.36 0.36	11.02 11.11	0.61 0.61
PV983	PV987	72.50	DN150	1.23	0.0054	7.10 7.11	58.71 58.74	1.11
PV984	PV989	77.16	DN150	2.59	0.0058	0.49 0.50	13.03 13.10	0.66 0.66
PV986	PV987	68.94	DN150	2.39	0.0052	0.41 0.42	12.19 12.26	0.61 0.61
PV987	PV992	83.41	DN150	0.86	0.0063	7.53 7.53	66.83 66.86	0.99
PV989	PV993	56.88	DN150	2.00	0.0043	0.51 0.52	14.08 14.14	0.61 0.61
PV991	PV992	55.93	DN150	2.32	0.0042	0.41 0.42	12.26 12.32	0.60 0.60
PV992	PV1006	58.17	DN150	0.93	0.0044	7.95 7.95	67.53 67.55	1.03
PV993	PV994	49.58	DN150	2.08	0.0037	0.53 0.53	14.17 14.21	0.62 0.63
PV994	PV998	80.26	DN150	2.00	0.0060	0.55 0.56	14.56 14.63	0.62 0.63
PV996	PV1000	104.12	DN150	0.55	0.0078	7.96 7.97	78.84 78.88	0.85
PV996	PV1006	47.52	DN150	0.93	0.0036	-7.96 -7.95	67.60 67.61	0.60
PV998	PV999	77.82	DN150	1.50	0.0058	0.73 0.74	17.86 17.93	0.61 0.62
PV999	PV1002	86.86	DN150	1.37	0.0065	0.75 0.75	18.47 18.54	0.60 0.60
PV1000	PV1001	100.97	DN150	0.94	0.0076	7.98 7.99	67.43 67.46	1.04
PV1002	PV1003	92.33	DN150	1.44	0.0069	0.77 0.78	18.52 18.60	0.62 0.62
PV1003	PV1004	96.95	DN150	1.33	0.0073	0.79 0.80	19.09 19.18	0.60 0.61
PV1007	PV1009	66.73	DN150	2.00	0.0050	0.58 0.58	14.91 14.97	0.63 0.63

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PV1009	PV1010	56.42	DN150	1.90	0.0042	0.69	16.40	0.66
						0.69	16.45	0.66
PV1010	PV1012	83.27	DN150	1.12	0.0062	0.99	22.17	0.61
						0.99	22.24	0.61
PV1012	PV1013	89.32	DN150	1.12	0.0067	1.01	22.37	0.61
						1.01	22.44	0.61
PV1013	PV1015	86.08	DN150	1.15	0.0065	1.03	22.48	0.62
						1.04	22.55	0.62
PV1015	PV1016	82.85	DN150	1.20	0.0062	1.05	22.44	0.63
						1.05	22.50	0.63
PV1016	PV1018	69.56	DN150	1.58	0.0052	1.07	21.21	0.70
						1.08	21.26	0.70
PV1018	PV1019	76.94	DN150	1.83	0.0058	1.09	20.63	0.74
						1.09	20.68	0.74
PV1019	PV1020	67.05	DN150	2.06	0.0050	1.11	20.21	0.78
						1.11	20.25	0.78
PV1020	PV1022	70.06	DN150	1.40	0.0053	1.12	22.29	0.68
						1.12	22.34	
PV1022	PV1023	73.88	DN150	1.85	0.0055	1.13	20.97	0.75
						1.14	21.02	0.76
PV1023	PV1025	67.50	DN150	2.18	0.0051	1.16	20.37	0.80
						1.16	20.41	0.80
PV1025	PV1026	63.14	DN150	2.76	0.0047	1.17	19.38	0.88
						1.18	19.42	0.88
PV1029	PV1030	55.97	DN150	2.20	0.0042	0.59	14.70	0.66
						0.59	14.75	0.66
PV1030	PV1032	85.64	DN150	1.22	0.0064	0.88	20.58	0.61
						0.89	20.65	0.61
PV1032	PV1033	86.87	DN150	1.22	0.0065	0.90	20.78	0.61
						0.91	20.85	0.61
PV1033	PV1035	83.95	DN150	1.20	0.0063	0.92	21.07	0.61
						0.93	21.14	0.61
PV1035	PV1036	85.07	DN150	1.21	0.0064	0.94	21.22	0.61
						0.94	21.29	0.62
PV1036	PV1038	70.06	DN150	1.91	0.0053	0.96	19.18	0.73
						0.96	19.23	0.73
PV1038	PV1039	79.96	DN150	1.66	0.0060	0.97	20.01	0.69
						0.98	20.06	0.70
PV1039	PV1040	63.34	DN150	1.88	0.0048	0.99	19.60	0.73
						1.00	19.64	0.73
PV1040	PV1042	70.69	DN150	1.98	0.0053	1.11	20.46	0.77
						1.12	20.50	0.77
PV1040	PV1072	73.65	DN150	3.95	0.0055	-0.12	5.85	0.60
						-0.11	5.98	0.60
PV1042	PV1043	72.74	DN150	1.65	0.0055	1.13	21.54	0.72
						1.13	21.59	0.72
PV1043	PV1045	64.84	DN150	2.93	0.0049	1.38	20.65	0.94
						1.38	20.68	
PV1043	PV1101	76.84	DN150	3.70	0.0058	-0.24	8.50	0.60
						-0.24	8.60	0.60
PV1045	PV1046	66.87	DN150	1.44	0.0050	1.38	24.59	0.73
						1.39	24.63	
PV1046	PV1048	64.69	DN150	2.54	0.0049	1.69	23.61	0.95
						1.70	23.64	
PV1046	PV1100	78.72	DN150	3.12	0.0059	-0.30	9.80	0.60
						-0.30	9.89	0.60
PV1048	PV1049	65.86	DN150	2.19	0.0049	1.71	24.59	0.90
						1.71	24.63	
PV1049	PV1051	66.04	DN150	2.59	0.0050	2.08	25.95	1.02
						2.08	25.98	

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PV1049	PV1099	79.18	DN150	2.68	0.0059	-0.36	11.07	0.60
						-0.36	11.15	0.60
PV1051	PV1052	67.93	DN150	2.52	0.0051	2.09	26.23	1.01
						2.10	26.26	
PV1052	PV1054	76.73	DN150	2.66	0.0058	2.42	27.80	1.07
						2.43	27.84	
PV1052	PV1098	74.18	DN150	2.90	0.0056	-0.33	10.35	0.60
						-0.32	10.43	0.60
PV1054	PV1056	60.66	DN150	2.16	0.0045	2.76	31.19	1.04
						2.76	31.22	
PV1054	PV1097	73.90	DN150	2.96	0.0055	-0.33	10.29	0.60
						-0.32	10.38	0.60
PV1056	PV1057	62.46	DN150	2.86	0.0047	2.77	29.18	1.15
						2.78	29.21	
PV1057	PV1059	56.60	DN150	1.22	0.0042	3.20	38.76	0.88
						3.20	38.79	
PV1057	PV1096	75.48	DN150	2.40	0.0057	-0.42	12.20	0.60
						-0.41	12.28	0.60
PV1059	PV1060	63.65	DN150	2.79	0.0048	3.21	31.57	1.19
						3.22	31.59	
PV1060	PV1062	58.98	DN150	2.76	0.0044	3.70	33.94	1.23
						3.70	33.96	
PV1060	PV1095	69.52	DN150	2.04	0.0052	-0.48	13.49	0.60
						-0.47	13.56	0.60
PV1062	PV1063	58.35	DN150	5.30	0.0044	3.71	28.95	1.55
						3.72	28.97	
PV1063	PV1069	97.90	DN350	0.25	0.0171	-95.52	289.25	0.60
						-95.50	289.31	
PV1063	PV1094	78.09	DN350	0.25	0.0137	99.23	304.30	1.12
						99.25	304.37	
PV1073	PV1074	60.06	DN150	2.53	0.0045	0.41	12.03	0.62
						0.42	12.09	0.62
PV1074	PV1076	73.43	DN150	2.19	0.0055	0.74	16.46	0.71
						0.75	16.52	0.71
PV1074	PV1124	76.88	DN150	2.98	0.0058	-0.33	10.27	0.60
						-0.32	10.36	0.60
PV1076	PV1077	73.43	DN150	1.87	0.0055	0.76	17.29	0.67
						0.77	17.35	0.67
PV1077	PV1079	67.73	DN150	2.58	0.0051	1.07	18.83	0.83
						1.07	18.87	0.83
PV1077	PV1123	76.07	DN150	3.16	0.0057	-0.30	9.78	0.60
						-0.30	9.86	0.60
PV1079	PV1080	64.68	DN150	2.80	0.0049	1.09	18.61	0.86
						1.09	18.65	0.86
PV1080	PV1082	70.90	DN150	2.85	0.0053	1.37	20.72	0.93
						1.37	20.76	0.93
PV1080	PV1122	72.96	DN150	3.39	0.0055	-0.28	9.25	0.60
						-0.27	9.33	0.60
PV1082	PV1083	69.27	DN150	3.41	0.0052	1.39	19.96	0.99
						1.39	20.00	0.99
PV1083	PV1085	71.33	DN150	2.92	0.0053	1.72	22.98	1.00
						1.72	23.02	
PV1083	PV1121	73.74	DN150	2.98	0.0055	-0.33	10.26	0.60
						-0.32	10.34	0.60
PV1085	PV1087	64.86	DN150	3.15	0.0049	2.05	24.58	1.08
						2.05	24.61	
PV1085	PV1120	69.51	DN150	2.91	0.0052	-0.33	10.32	0.60
						-0.32	10.40	0.60
PV1087	PV1088	60.60	DN150	3.86	0.0045	2.06	23.48	1.17
						2.07	23.50	

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PV1088	PV1090	59.34	DN150	1.35	0.0045	2.73 2.73	34.89 34.91	0.87
PV1088	PV1119	62.43	DN150	1.68	0.0047	-0.66 -0.65	16.49 16.55	0.60 0.60
PV1090	PV1091	61.31	DN150	1.97	0.0046	2.74 2.75	31.82 31.85	1.00
PV1091	PV1092	56.13	DN150	5.02	0.0042	2.75 2.75	25.31 25.33	1.39
PV1092	PV1093	60.39	DN150	4.93	0.0045	2.76 2.77	25.49 25.51	1.39
PV1093	PV1094	74.80	DN350	0.25	0.0131	-99.26 -99.25	304.36 304.42	0.60
PV1103	PV1104	62.18	DN150	3.00	0.0047	0.35 0.36	10.76 10.82	0.63 0.63
PV1104	PV1106	71.19	DN150	1.85	0.0053	0.54 0.54	14.70 14.77	0.60 0.61
PV1106	PV1107	71.19	DN150	2.08	0.0053	0.56 0.56	14.52 14.58	0.63 0.64
PV1107	PV1109	72.41	DN150	2.38	0.0054	0.58 0.58	14.33 14.39	0.67 0.67
PV1109	PV1110	64.04	DN150	3.65	0.0048	0.60 0.60	13.12 13.17	0.79 0.79
PV1110	PV1112	68.03	DN150	3.41	0.0051	0.62 0.62	13.56 13.61	0.78 0.78
PV1112	PV1113	72.13	DN150	3.23	0.0054	0.62 0.63	13.79 13.85	0.77 0.77
PV1113	PV1115	72.16	DN150	3.59	0.0054	0.63 0.64	13.57 13.62	0.80 0.80
PV1115	PV1117	61.90	DN150	3.60	0.0046	0.64 0.64	13.61 13.66	0.80 0.80
PV1117	PV1118	58.90	DN150	3.48	0.0044	0.64 0.65	13.77 13.81	0.79 0.80
PV1118	PV1119	73.79	DN150	1.90	0.0055	0.65 0.65	15.96 16.03	0.64 0.65

### 7. Envoltória

Indicam-se os máximos dos valores absolutos.

#### Envoltória de máximos

Início	Final	Comprimento m	Diâmetros mm	Inclinação %	Vazão l/s	Profundidade mm	Velocidade M/s
ETE2	PS313	39.64	DN400	0.50	102.15	207.31	1.55
PS1	PV2	87.00	DN150	0.47	0.01	2.57	0.60
PS2	PV29	76.19	DN150	0.50	0.01	2.38	0.60
PS3	PV46	69.82	DN150	0.77	0.01	2.07	0.61
PS4	PV49	70.23	DN150	1.00	0.01	1.95	0.60
PS5	PV53	70.52	DN150	1.74	0.01	1.72	0.60
PS6	PV57	69.46	DN150	1.80	0.01	1.70	0.60
PS7	PV42	88.92	DN150	2.14	0.01	1.83	0.60
PS8	PV61	71.06	DN150	1.59	0.01	1.76	0.60
PS9	PV218	69.10	DN150	0.71	0.01	2.10	0.60
PS10	PV222	96.10	DN150	2.74	0.01	1.79	0.60
PS11	PV124	72.12	DN150	1.90	0.01	1.70	0.60
PS12	PV63	72.14	DN150	0.50	0.01	2.32	0.60
PS13	PV64	71.09	DN150	1.17	0.01	1.89	0.60
PS14	PV68	70.59	DN150	2.13	0.01	1.64	0.60
PS15	PV72	70.28	DN150	2.09	0.01	1.65	0.60
PS16	PV76	69.86	DN150	1.00	0.01	1.95	0.60



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PS17	PV79	69.96	DN150	1.43	0.01	1.79	0.60
PS18	PV82	68.73	DN150	2.08	0.01	1.63	0.60
PS19	PV86	70.79	DN150	2.20	0.01	1.63	0.60
PS20	PV90	70.91	DN150	1.82	0.01	1.71	0.60
PS21	PV93	91.03	DN150	2.64	0.01	1.76	0.60
PS22	PV93	70.60	DN150	2.48	0.01	1.59	0.60
PS23	PV96	70.52	DN150	2.20	0.01	1.63	0.60
PS24	PV100	70.41	DN150	1.78	0.01	1.71	0.60
PS25	PV103	90.74	DN150	2.20	0.01	1.83	0.60
PS26	PV1153	105.32	DN150	1.97	0.01	2.01	0.60
PS27	PV109	56.95	DN150	6.09	0.00	1.17	0.60
PS28	PV112	62.39	DN150	0.98	0.00	1.86	0.60
PS29	PV114	85.86	DN150	1.51	0.01	1.95	0.60
PS30	PV131	66.16	DN150	5.14	0.00	1.30	0.60
PS31	PV133	74.08	DN150	0.26	0.01	2.74	0.60
PS32	PV8	65.43	DN150	0.47	0.00	2.25	0.60
PS33	PV1107	68.43	DN150	1.34	0.01	1.80	0.60
PS34	PV141	66.16	DN150	0.50	0.00	2.23	0.60
PS35	PV144	71.72	DN150	4.62	0.01	1.38	0.60
PS36	PV153	58.42	DN150	1.46	0.00	1.64	0.60
PS37	PV155	98.87	DN150	2.02	0.01	1.94	0.60
PS38	PV145	46.13	DN150	2.82	0.00	1.26	0.60
PS39	PV119	103.92	DN150	1.50	0.01	2.13	0.60
PS40	PV159	76.75	DN150	0.68	0.01	2.23	0.60
PS41	PV162	79.51	DN150	0.40	0.01	2.55	0.60
PS42	PV176	72.13	DN150	2.52	0.01	1.60	0.60
PS43	PV171	91.08	DN150	0.93	0.01	2.24	0.60
PS44	PV178	73.04	DN150	1.00	0.01	1.99	0.60
PS45	PV183	85.67	DN150	1.10	0.01	2.09	0.60
PS46	PV186	68.87	DN150	0.48	0.01	2.29	0.60
PS47	PV186	70.25	DN150	1.50	0.01	1.78	0.60
PS48	PV195	65.49	DN150	0.90	0.00	1.94	0.60
PS49	PV189	98.41	DN150	1.20	0.01	2.19	0.60
PS50	PV189	85.11	DN150	1.81	0.01	1.86	0.60
PS51	PV199	58.21	DN150	1.32	0.00	1.68	0.60
PS52	PV928	23.00	DN150	1.91	0.00	1.00	0.60
PS53	PV204	65.82	DN150	0.50	0.00	2.22	0.60
PS54	PV214	96.49	DN150	0.41	0.01	2.77	0.60
PS55	PV376	70.24	DN150	0.47	0.01	2.33	0.60
PS56	PV379	64.54	DN150	0.50	0.00	2.20	0.60
PS57	PV382	72.01	DN150	0.70	0.01	2.15	0.60
PS58	PV385	67.61	DN150	0.98	0.01	1.93	0.60
PS59	PV388	67.52	DN150	1.10	0.01	1.88	0.60
PS60	PV391	68.90	DN150	1.02	0.01	1.93	0.60
PS61	PV394	71.05	DN150	0.70	0.01	2.13	0.60
PS62	PV398	68.74	DN150	0.60	0.01	2.18	0.60
PS63	PV401	68.22	DN150	1.66	0.01	1.71	0.60
PS64	PV404	68.12	DN150	2.06	0.01	1.63	0.60
PS65	PV407	67.92	DN150	2.37	0.01	1.57	0.60
PS66	PV370	69.02	DN150	2.06	0.01	1.64	0.60
PS67	PV331	72.02	DN150	0.47	0.01	2.35	0.60
PS68	PV335	67.98	DN150	0.50	0.01	2.26	0.60
PS69	PV339	67.57	DN150	0.50	0.01	2.25	0.60
PS70	PV344	75.82	DN150	0.50	0.01	2.38	0.60

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PS71	PV348	68.96	DN150	0.50	0.01	2.27	0.60
PS72	PV352	69.59	DN150	0.56	0.01	2.22	0.60
PS73	PV356	69.40	DN150	0.69	0.01	2.11	0.60
PS74	PV360	68.77	DN150	0.77	0.01	2.05	0.60
PS75	PV364	69.94	DN150	0.73	0.01	2.10	0.60
PS76	PV368	67.23	DN150	1.10	0.01	1.87	0.60
PS77	PV372	70.22	DN150	1.54	0.01	1.77	0.60
PS78	PV374	70.60	DN150	1.14	0.01	1.89	0.60
PS79	PV298	81.11	DN150	0.47	0.01	2.49	0.60
PS80	PV301	77.88	DN150	0.70	0.01	2.22	0.60
PS81	PV304	74.45	DN150	0.80	0.01	2.11	0.60
PS82	PV307	90.26	DN150	1.00	0.01	2.19	0.60
PS83	PV310	69.04	DN150	0.90	0.01	1.99	0.60
PS84	PV313	71.85	DN150	0.85	0.01	2.05	0.60
PS85	PV316	70.12	DN150	1.07	0.01	1.92	0.60
PS86	PV319	71.33	DN150	1.28	0.01	1.86	0.60
PS87	PV322	71.10	DN150	1.14	0.01	1.90	0.60
PS88	PV325	70.89	DN150	1.16	0.01	1.90	0.60
PS89	PV328	67.22	DN150	1.01	0.01	1.91	0.60
PS90	PV632	80.54	DN150	3.48	0.01	1.56	0.60
PS91	PV265	73.10	DN150	1.67	0.01	1.77	0.60
PS92	PV277	74.89	DN150	2.95	0.01	1.57	0.60
PS93	PV280	73.44	DN150	2.31	0.01	1.64	0.60
PS94	PV283	66.90	DN150	2.69	0.01	1.52	0.60
PS95	PV286	66.75	DN150	2.07	0.01	1.61	0.60
PS96	PV289	66.65	DN150	2.00	0.00	1.62	0.60
PS97	PV292	76.13	DN150	2.05	0.01	1.72	0.60
PS98	PV295	59.88	DN150	1.90	0.00	1.56	0.60
PS99	PV238	69.47	DN150	1.51	0.01	1.77	0.60
PS100	PV251	66.07	DN150	1.91	0.00	1.63	0.60
PS101	PV255	65.68	DN150	2.62	0.00	1.51	0.60
PS102	PV240	72.60	DN150	1.43	0.01	1.82	0.60
PS103	PV230	68.74	DN150	1.44	0.01	1.78	0.60
PS104	PV243	69.45	DN150	2.13	0.01	1.63	0.60
PS105	PV231	70.66	DN150	3.27	0.01	1.49	0.60
PS106	PV235	59.16	DN150	2.77	0.00	1.42	0.60
PS107	PV233	56.54	DN150	2.95	0.00	1.37	0.60
PS108	PV918	69.58	DN150	2.87	0.01	1.52	0.60
PS109	PV916	93.01	DN150	1.88	0.01	1.92	0.60
PS110	PV922	64.96	DN150	1.86	0.00	1.63	0.60
PS111	PV260	53.02	DN150	2.96	0.00	1.33	0.60
PS112	PV927	84.39	DN150	2.03	0.01	1.80	0.60
PS113	PV944	87.16	DN150	0.75	0.01	2.31	0.60
PS114	PV947	67.65	DN150	2.13	0.01	1.61	0.60
PS115	PV930	79.08	DN150	1.91	0.01	1.78	0.60
PS116	PV932	55.66	DN150	1.67	0.00	1.56	0.60
PS117	PV951	67.37	DN150	2.05	0.01	1.62	0.60
PS118	PV926	72.15	DN150	2.84	0.01	1.55	0.60
PS119	PV945	71.19	DN150	1.78	0.01	1.72	0.60
PS120	PV949	71.10	DN150	1.56	0.01	1.77	0.60
PS121	PV961	71.10	DN150	2.38	0.01	1.61	0.60
PS122	PV963	70.79	DN150	2.34	0.01	1.61	0.60
PS123	PV966	70.38	DN150	2.32	0.01	1.61	0.60
PS124	PV954	71.19	DN150	4.86	0.01	1.36	0.60

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PS125	PV977	87.95	DN150	2.58	0.01	1.74	0.60
PS126	PV982	74.75	DN150	2.34	0.01	1.65	0.60
PS127	PV980	69.37	DN150	3.13	0.01	1.49	0.60
PS128	PV986	62.99	DN150	2.52	0.00	1.50	0.60
PS129	PV991	50.93	DN150	2.28	0.00	1.39	0.60
PS130	PV984	74.10	DN150	1.36	0.01	1.86	0.60
PS131	PV996	73.16	DN150	1.74	0.01	1.75	0.60
PS132	PV974	91.56	DN150	2.28	0.01	1.82	0.60
PS133	PV937	64.65	DN150	1.64	0.00	1.68	0.60
PS134	PV994	71.99	DN150	2.19	0.01	1.65	0.60
PS135	PV1002	74.90	DN150	0.63	0.01	2.24	0.60
PS136	PV734	66.82	DN150	1.93	0.01	1.64	0.60
PS137	PV737	70.11	DN150	1.03	0.01	1.94	0.60
PS138	PV631	70.87	DN150	1.64	0.01	1.75	0.60
PS139	PV730	71.60	DN150	1.65	0.01	1.75	0.60
PS140	PV724	69.65	DN150	2.20	0.01	1.62	0.60
PS141	PV628	69.89	DN150	2.00	0.01	1.66	0.60
PS142	PV625	68.99	DN150	2.46	0.01	1.57	0.60
PS143	PV713	69.93	DN150	2.47	0.01	1.58	0.60
PS144	PV622	69.43	DN150	2.66	0.01	1.55	0.60
PS145	PV701	69.95	DN150	2.44	0.01	1.58	0.60
PS146	PV443	73.50	DN150	0.72	0.01	2.15	0.60
PS147	PV469	72.44	DN150	0.65	0.01	2.19	0.60
PS148	PV471	71.88	DN150	0.50	0.01	2.32	0.60
PS149	PV393	69.74	DN150	1.39	0.01	1.80	0.60
PS150	PV399	70.19	DN150	2.71	0.01	1.55	0.60
PS151	PV405	71.49	DN150	2.57	0.01	1.58	0.60
PS152	PV411	77.16	DN150	0.76	0.01	2.17	0.60
PS153	PV418	81.50	DN150	0.79	0.01	2.21	0.60
PS154	PV412	69.61	DN150	1.98	0.01	1.66	0.60
PS155	PV413	69.76	DN150	2.88	0.01	1.52	0.60
PS156	PV437	69.80	DN150	3.42	0.01	1.46	0.60
PS157	PV439	69.99	DN150	3.76	0.01	1.43	0.60
PS158	PV441	69.69	DN150	3.97	0.01	1.41	0.60
PS159	PV443	69.61	DN150	4.07	0.01	1.41	0.60
PS160	PV469	70.49	DN150	3.93	0.01	1.42	0.60
PS161	PV471	71.45	DN150	3.51	0.01	1.47	0.60
PS162	PV473	70.43	DN150	4.43	0.01	1.38	0.60
PS163	PV475	70.01	DN150	2.43	0.01	1.59	0.60
PS164	PV477	69.15	DN150	2.65	0.01	1.55	0.60
PS165	PV418	85.05	DN150	0.50	0.01	2.51	0.60
PS166	PV421	76.36	DN150	0.50	0.01	2.38	0.60
PS167	PV423	71.57	DN150	3.51	0.01	1.47	0.60
PS168	PV423	68.06	DN150	0.50	0.01	2.26	0.60
PS169	PV424	77.76	DN150	0.50	0.01	2.40	0.60
PS170	PV430	77.73	DN150	0.50	0.01	2.40	0.60
PS171	PV433	81.59	DN150	0.50	0.01	2.46	0.60
PS172	PV454	80.96	DN150	0.50	0.01	2.45	0.60
PS173	PV456	77.00	DN150	0.50	0.01	2.39	0.60
PS174	PV459	77.20	DN150	0.50	0.01	2.40	0.60
PS175	PV461	77.09	DN150	0.50	0.01	2.39	0.60
PS176	PV464	79.45	DN150	0.50	0.01	2.43	0.60
PS177	PV467	79.44	DN150	0.50	0.01	2.43	0.60
PS178	PV480	83.22	DN150	0.50	0.01	2.48	0.60

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PS179	PV484	79.42	DN150	0.69	0.01	2.25	0.60
PS180	PV489	74.94	DN150	0.72	0.01	2.17	0.60
PS181	PV493	79.02	DN150	0.85	0.01	2.14	0.60
PS182	PV498	79.08	DN150	0.89	0.01	2.12	0.60
PS183	PV502	79.05	DN150	1.19	0.01	1.98	0.60
PS184	PV507	79.04	DN150	1.54	0.01	1.86	0.60
PS185	PV511	79.01	DN150	2.05	0.01	1.75	0.60
PS186	PV516	78.90	DN150	2.05	0.01	1.74	0.60
PS187	PV520	88.18	DN150	1.96	0.01	1.86	0.60
PS188	PV522	69.37	DN150	2.05	0.01	1.64	0.60
PS189	PV547	69.95	DN150	0.47	0.01	2.32	0.60
PS190	PV550	78.41	DN150	0.50	0.01	2.41	0.60
PS191	PV553	78.49	DN150	0.50	0.01	2.41	0.60
PS192	PV555	83.87	DN150	0.50	0.01	2.49	0.60
PS193	PV557	78.91	DN150	0.50	0.01	2.42	0.60
PS194	PV561	80.11	DN150	0.50	0.01	2.44	0.60
PS195	PV563	79.55	DN150	0.57	0.01	2.36	0.60
PS196	PV565	79.72	DN150	0.85	0.01	2.15	0.60
PS197	PV567	79.87	DN150	0.75	0.01	2.21	0.60
PS198	PV569	80.04	DN150	0.80	0.01	2.18	0.60
PS199	PV571	80.22	DN150	0.50	0.01	2.44	0.60
PS200	PV573	80.57	DN150	0.70	0.01	2.26	0.60
PS201	PV576	80.46	DN150	1.00	0.01	2.08	0.60
PS202	PV578	80.57	DN150	0.66	0.01	2.29	0.60
PS203	PV580	80.66	DN150	0.55	0.01	2.40	0.60
PS204	PV585	83.19	DN150	0.47	0.01	2.52	0.60
PS205	PV585	101.68	DN150	0.74	0.01	2.49	0.60
PS206	PV598	89.48	DN150	1.48	0.01	2.00	0.60
PS207	PV595	81.72	DN150	1.88	0.01	1.81	0.60
PS208	PV596	67.48	DN150	3.17	0.01	1.47	0.60
PS209	PV597	50.95	DN150	4.00	0.00	1.22	0.60
PS210	PV619	71.05	DN150	2.46	0.01	1.59	0.60
PS211	PV695	70.63	DN150	2.41	0.01	1.60	0.60
PS212	PV615	68.51	DN150	2.26	0.01	1.60	0.60
PS213	PV690	68.92	DN150	2.55	0.01	1.56	0.60
PS214	PV693	69.56	DN150	2.85	0.01	1.53	0.60
PS215	PV611	70.94	DN150	2.44	0.01	1.60	0.60
PS216	PV673	72.09	DN150	2.72	0.01	1.57	0.60
PS217	PV676	72.91	DN150	4.81	0.01	1.38	0.60
PS218	PV607	89.95	DN150	2.18	0.01	1.83	0.60
PS219	PV661	90.65	DN150	2.46	0.01	1.78	0.60
PS220	PV679	73.58	DN150	3.03	0.01	1.54	0.60
PS221	PV682	51.52	DN150	3.36	0.00	1.28	0.60
PS222	PV683	60.34	DN150	0.47	0.00	2.17	0.60
PS223	PV689	39.55	DN150	6.68	0.00	0.96	0.60
PS224	PV707	70.47	DN150	2.78	0.01	1.54	0.60
PS225	PV720	69.90	DN150	3.03	0.01	1.51	0.60
PS226	PV800	68.79	DN150	3.01	0.01	1.50	0.60
PS227	PV812	62.42	DN150	2.21	0.00	1.54	0.60
PS228	PV774	64.03	DN150	4.00	0.00	1.36	0.60
PS229	PV777	48.09	DN150	1.46	0.00	1.50	0.60
PS230	PV722	84.13	DN150	1.52	0.01	1.93	0.60
PS231	PV816	56.05	DN150	0.50	0.00	2.07	0.60
PS232	PV815	68.76	DN150	5.38	0.01	1.31	0.60

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PS233	PV824	43.72	DN150	3.36	0.00	1.18	0.60
PS234	PV829	61.90	DN150	1.20	0.00	1.77	0.60
PS235	PV830	68.29	DN150	3.75	0.01	1.42	0.60
PS236	PV772	55.16	DN150	6.82	0.00	1.12	0.60
PS237	PV783	63.39	DN150	4.10	0.00	1.34	0.60
PS238	PV787	65.73	DN150	2.40	0.00	1.55	0.60
PS239	PV789	54.41	DN150	1.08	0.00	1.70	0.60
PS240	PV791	62.04	DN150	3.98	0.00	1.34	0.60
PS241	PV664	90.95	DN150	3.08	0.01	1.70	0.60
PS242	PV658	57.29	DN150	3.37	0.00	1.34	0.60
PS243	PV660	57.09	DN150	5.17	0.00	1.21	0.60
PS244	PV745	64.40	DN150	2.38	0.00	1.53	0.60
PS245	PV749	61.31	DN150	2.95	0.00	1.43	0.60
PS246	PV753	55.98	DN150	3.36	0.00	1.33	0.60
PS247	PV756	58.67	DN150	2.80	0.00	1.42	0.60
PS248	PV759	61.39	DN150	1.92	0.00	1.58	0.60
PS249	PV760	72.00	DN150	1.68	0.01	1.75	0.60
PS250	PV767	85.04	DN150	1.09	0.01	2.09	0.60
PS251	PV761	96.77	DN150	1.37	0.01	2.10	0.60
PS252	PV795	70.55	DN150	1.29	0.01	1.84	0.60
PS253	PV841	79.20	DN150	1.64	0.01	1.84	0.60
PS254	PV914	31.20	DN150	0.83	0.00	1.40	0.60
PS255	PV912	67.91	DN150	1.90	0.01	1.66	0.60
PS256	PV911	62.82	DN150	1.75	0.00	1.63	0.60
PS257	PV910	64.67	DN150	1.72	0.00	1.66	0.60
PS258	PV909	63.91	DN150	1.52	0.00	1.70	0.60
PS259	PV908	64.84	DN150	1.94	0.00	1.61	0.60
PS260	PV873	60.31	DN150	3.73	0.00	1.34	0.60
PS261	PV870	61.79	DN150	2.90	0.00	1.44	0.60
PS262	PV642	62.32	DN150	2.76	0.00	1.46	0.60
PS263	PV866	63.75	DN150	3.29	0.00	1.42	0.60
PS264	PV639	62.63	DN150	3.34	0.00	1.40	0.60
PS265	PV863	62.31	DN150	3.31	0.00	1.40	0.60
PS266	PV637	61.80	DN150	3.45	0.00	1.38	0.60
PS267	PV859	62.89	DN150	3.24	0.00	1.41	0.60
PS268	PV635	62.59	DN150	2.88	0.00	1.45	0.60
PS269	PV857	63.55	DN150	3.81	0.00	1.37	0.60
PS270	PV874	70.59	DN150	2.31	0.01	1.61	0.60
PS271	PV1007	71.44	DN150	1.69	0.01	1.74	0.60
PS272	PV1010	71.63	DN150	2.26	0.01	1.63	0.60
PS273	PV876	70.16	DN150	2.55	0.01	1.57	0.60
PS274	PV879	69.75	DN150	3.15	0.01	1.49	0.60
PS275	PV1013	72.09	DN150	2.83	0.01	1.55	0.60
PS276	PV882	68.33	DN150	2.85	0.01	1.51	0.60
PS277	PV1016	71.14	DN150	2.76	0.01	1.55	0.60
PS278	PV1020	71.17	DN150	2.96	0.01	1.53	0.60
PS279	PV886	69.87	DN150	3.35	0.01	1.47	0.60
PS280	PV1023	71.75	DN150	2.31	0.01	1.62	0.60
PS281	PV889	70.91	DN150	3.13	0.01	1.51	0.60
PS282	PV1026	72.17	DN150	3.53	0.01	1.48	0.60
PS283	PV1064	66.35	DN150	2.35	0.00	1.56	0.60
PS284	PV1065	71.15	DN150	1.24	0.01	1.87	0.60
PS285	PV1066	72.15	DN150	1.00	0.01	1.98	0.60
PS286	PV1067	74.53	DN150	0.46	0.01	2.41	0.60

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PS287	PV1068	77.16	DN150	0.50	0.01	2.39	0.60
PS288	PV1072	80.86	DN150	2.42	0.01	1.70	0.60
PS289	PV1101	76.84	DN150	2.34	0.01	1.67	0.60
PS290	PV1100	72.93	DN150	2.82	0.01	1.56	0.60
PS291	PV1099	80.61	DN150	2.38	0.01	1.70	0.60
PS292	PV1098	83.08	DN150	1.49	0.01	1.92	0.60
PS293	PV1097	80.78	DN150	1.44	0.01	1.92	0.60
PS294	PV1096	74.11	DN150	1.05	0.01	1.98	0.60
PS295	PV1095	80.53	DN150	1.40	0.01	1.92	0.60
PS296	PV1103	62.18	DN150	1.82	0.00	1.61	0.60
PS297	PV1104	66.27	DN150	1.13	0.00	1.85	0.60
PS298	PV1124	71.88	DN150	1.92	0.01	1.70	0.60
PS299	PV1123	71.06	DN150	2.04	0.01	1.66	0.60
PS300	PV1122	67.14	DN150	1.83	0.01	1.66	0.60
PS301	PV1110	69.20	DN150	1.55	0.01	1.75	0.60
PS302	PV1121	63.12	DN150	1.95	0.00	1.59	0.60
PS303	PV1113	84.77	DN150	0.53	0.01	2.47	0.60
PS304	PV1120	64.42	DN150	1.40	0.00	1.74	0.60
PS305	PV188	75.84	DN150	2.62	0.01	1.62	0.60
PS306	PV1126	81.02	DN150	3.13	0.01	1.60	0.60
PS307	PV105	69.95	DN150	2.26	0.01	1.61	0.60
PS308	PV1073	62.06	DN150	2.22	0.00	1.53	0.60
PS309	PV1029	62.08	DN150	0.81	0.00	1.94	0.60
PS310	PS311	123.18	DN400	1.01	102.10	169.54	2.01
PS310	PV845	113.20	DN400	0.50	102.07	207.78	1.55
PS311	PS312	122.63	DN400	3.91	102.12	118.35	3.28
PS312	PS313	92.01	DN400	6.27	102.14	104.93	3.89
PV1	PV180	73.08	DN200	0.20	15.39	136.22	0.68
PV1	PV187	64.44	DN150	2.17	0.48	13.42	0.62
PV1	PV193	75.15	DN200	0.20	15.88	139.45	0.68
PV2	PV3	87.01	DN150	1.45	0.77	18.49	0.62
PV3	PV188	84.37	DN150	1.10	1.07	23.14	0.62
PV4	PV354	71.47	DN150	3.25	2.43	26.51	1.15
PV4	PV362	76.87	DN150	3.14	2.88	29.06	1.20
PV4	PV398	73.71	DN150	2.32	0.42	12.36	0.61
PV5	PV6	71.03	DN150	1.68	0.67	16.75	0.62
PV5	PVT3	55.98	DN150	0.50	0.00	2.06	0.60
PV6	PV7	75.88	DN150	1.25	0.91	20.79	0.62
PV7	PV9	50.58	DN150	0.94	1.27	26.11	0.61
PV8	PV143	74.09	DN150	2.40	0.42	12.26	0.61
PV9	PV11	108.53	DN150	0.93	1.42	27.63	0.63
PV10	PV188	80.66	DN150	1.10	1.08	23.26	0.62
PV10	PV1126	79.67	DN150	1.10	1.09	23.32	0.62
PV11	PV14	80.20	DN150	0.89	1.44	28.26	0.63
PV13	PV21	105.51	DN150	1.10	1.12	23.67	0.63
PV13	PV1126	103.90	DN150	1.10	1.10	23.47	0.62
PV14	PV15	88.43	DN150	0.87	1.46	28.55	0.62
PV15	PV16	71.11	DN150	1.79	1.48	24.09	0.81
PV16	PV17	65.36	DN150	2.34	1.49	22.59	0.89
PV17	PV18	54.05	DN150	3.44	1.50	20.69	1.02
PV18	PV19	55.37	DN150	3.36	1.52	20.92	1.01
PV19	PV20	42.90	DN150	2.91	1.52	21.67	0.97
PV20	PV27	101.54	DN150	2.86	1.54	21.91	0.96
PV21	PV22	80.69	DN150	2.34	1.14	19.87	0.82

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PV22	PV23	87.83	DN150	2.63	1.14	19.38	0.86
PV23	PV24	80.32	DN150	2.96	1.15	18.88	0.89
PV24	PV25	77.45	DN150	2.58	1.16	19.56	0.85
PV25	PV26	80.32	DN150	2.71	1.17	19.48	0.87
PV26	PV1153	94.95	DN150	1.00	1.19	24.99	0.62
PV27	PV1153	111.24	DN150	2.44	1.56	22.91	0.91
PV29	PV30	77.80	DN150	1.39	0.83	19.34	0.62
PV30	PV31	65.50	DN150	1.00	1.12	24.27	0.61
PV31	PV32	73.93	DN150	0.97	1.36	26.83	0.64
PV32	PV35	73.39	DN150	0.90	1.50	28.65	0.64
PV35	PV36	74.18	DN150	0.74	1.63	31.35	0.61
PV36	PV37	73.91	DN150	0.72	1.77	32.87	0.62
PV37	PV39	62.80	DN150	1.82	1.78	26.26	0.86
PV39	PV40	67.34	DN150	1.98	1.80	25.84	0.89
PV40	PV41	84.34	DN150	1.93	1.80	26.03	0.88
PV41	PV42	57.46	DN150	2.23	1.82	25.25	0.93
PV42	PV43	77.42	DN150	3.38	1.84	22.95	1.08
PV43	PV44	84.39	DN150	2.16	1.85	25.65	0.92
PV44	PV45	63.50	DN150	2.04	1.87	26.12	0.91
PV45	PV122	68.52	DN150	1.07	1.88	30.78	0.72
PV46	PV47	77.03	DN150	1.50	0.71	17.64	0.61
PV47	PV48	67.43	DN150	1.20	0.95	21.39	0.61
PV48	PV49	72.38	DN150	1.10	1.06	23.04	0.62
PV49	PV51	73.39	DN150	1.00	1.18	24.80	0.61
PV51	PV52	73.23	DN150	1.17	1.29	24.93	0.67
PV52	PV53	72.96	DN150	1.37	1.40	24.98	0.72
PV53	PV55	64.22	DN150	1.62	1.42	24.16	0.77
PV55	PV56	87.15	DN150	1.73	1.44	23.92	0.79
PV56	PV57	64.66	DN150	2.00	1.44	23.13	0.83
PV57	PV59	78.90	DN150	1.96	1.46	23.41	0.83
PV59	PV60	72.59	DN150	2.37	1.48	22.49	0.89
PV60	PV61	67.94	DN150	3.02	1.49	21.26	0.97
PV61	PV62	61.88	DN150	2.55	1.51	22.29	0.92
PV62	PV124	70.50	DN150	1.40	1.52	25.92	0.75
PV63	PV64	67.24	DN150	1.71	0.71	17.09	0.64
PV64	PV66	73.39	DN150	1.42	0.90	19.99	0.64
PV66	PV67	73.23	DN150	1.67	0.96	19.87	0.69
PV67	PV68	71.07	DN150	1.80	0.98	19.67	0.71
PV68	PV70	78.30	DN150	1.86	1.00	19.72	0.73
PV70	PV71	67.61	DN150	2.19	1.02	19.13	0.77
PV71	PV72	71.69	DN150	2.30	1.02	18.95	0.79
PV72	PV74	77.92	DN150	2.27	1.04	19.21	0.79
PV74	PV75	72.59	DN150	2.34	1.06	19.22	0.80
PV75	PV76	69.07	DN150	2.69	1.07	18.63	0.85
PV76	PV77	88.51	DN150	1.97	1.09	20.30	0.76
PV77	PV78	89.98	DN150	2.35	1.11	19.62	0.81
PV78	PV92	78.94	DN150	0.60	2.68	42.49	0.65
PV78	PV124	90.83	DN150	2.51	1.55	22.67	0.92
PV79	PV80	73.40	DN150	1.74	0.71	17.01	0.64
PV80	PV81	73.23	DN150	1.73	0.83	18.38	0.67
PV81	PV82	70.55	DN150	2.01	0.90	18.37	0.72
PV82	PV84	73.92	DN150	2.22	0.92	18.16	0.76
PV84	PV85	71.61	DN150	2.19	0.94	18.37	0.76
PV85	PV86	72.24	DN150	2.09	0.94	18.64	0.74

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PV86	PV88	77.41	DN150	2.09	0.96	18.85	0.75
PV88	PV89	72.59	DN150	2.25	0.98	18.69	0.77
PV89	PV90	69.74	DN150	2.60	0.99	18.10	0.81
PV90	PV91	73.54	DN150	1.93	1.01	19.64	0.74
PV91	PV92	75.87	DN150	2.12	1.03	19.36	0.77
PV92	PV102	80.60	DN150	0.91	3.72	45.19	0.83
PV93	PV94	77.03	DN150	2.01	0.72	16.52	0.68
PV94	PV95	72.48	DN150	2.14	0.84	17.55	0.73
PV95	PV96	68.85	DN150	2.06	0.85	17.76	0.72
PV96	PV98	76.83	DN150	2.06	0.96	18.90	0.75
PV98	PV99	72.59	DN150	2.26	0.98	18.63	0.77
PV99	PV100	70.48	DN150	2.18	0.98	18.83	0.77
PV100	PV101	56.39	DN150	2.25	1.00	18.89	0.78
PV101	PV102	63.38	DN150	1.96	1.02	19.69	0.75
PV102	PV112	67.06	DN150	2.59	0.38	11.54	0.61
PV102	PV120	63.13	DN150	1.06	5.14	51.34	0.96
PV103	PV105	85.74	DN150	2.25	0.60	14.73	0.67
PV105	PV107	95.18	DN150	2.16	0.71	16.19	0.69
PV107	PV108	102.71	DN150	2.12	0.83	17.45	0.72
PV108	PV109	25.31	DN150	1.58	3.72	39.20	1.01
PV108	PV111	72.01	DN150	1.26	2.88	36.45	0.87
PV109	PV116	91.83	DN150	2.86	3.75	33.86	1.25
PV110	PV111	79.08	DN150	1.15	2.88	37.29	0.84
PV110	PV1153	75.06	DN150	0.45	2.87	47.28	0.60
PV114	PV115	85.62	DN150	1.90	0.83	17.94	0.69
PV115	PV116	78.15	DN150	1.78	1.07	20.59	0.73
PV116	PV117	13.14	DN150	2.28	4.81	40.69	1.24
PV117	PV118	63.61	DN150	1.45	9.98	67.75	1.29
PV117	PV121	72.36	DN150	0.65	5.16	58.68	0.81
PV118	PV119	39.48	DN150	1.44	9.98	67.79	1.29
PV119	PV160	70.98	DN150	2.90	10.00	55.97	1.66
PV120	PV121	57.67	DN150	1.11	5.16	50.82	0.98
PV122	PV224	54.11	DN150	2.90	0.67	14.67	0.75
PV122	PV225	114.25	DN150	0.61	2.58	41.37	0.65
PV131	PV132	71.70	DN150	1.20	1.25	24.46	0.67
PV131	PV135	69.28	DN150	1.20	0.95	21.39	0.61
PV132	PV139	41.11	DN150	1.00	1.27	25.71	0.63
PV133	PV135	74.09	DN150	1.74	0.71	17.02	0.64
PV139	PV140	70.65	DN150	0.99	1.28	25.94	0.63
PV140	PV146	72.13	DN150	1.00	1.41	27.06	0.65
PV141	PV142	74.09	DN150	1.80	0.59	15.50	0.62
PV142	PV145	77.79	DN150	1.52	0.77	18.31	0.63
PV143	PV144	77.90	DN150	1.00	0.72	19.51	0.60
PV144	PV145	40.73	DN150	2.18	0.72	16.27	0.70
PV145	PV148	70.93	DN150	0.85	1.51	29.14	0.63
PV146	PV147	74.08	DN150	0.88	1.42	28.11	0.62
PV147	PV148	75.82	DN150	0.87	1.44	28.33	0.62
PV148	PV149	95.06	DN150	0.96	2.96	39.56	0.79
PV149	PV150	108.77	DN150	1.34	2.96	36.41	0.89
PV150	PV151	89.74	DN150	1.83	2.97	33.73	1.00
PV151	PV155	37.60	DN150	0.47	0.58	21.08	0.60
PV151	PV166	50.16	DN150	0.26	3.55	61.48	0.60
PV153	PV154	84.20	DN150	0.47	0.54	20.35	0.60
PV154	PV155	99.78	DN150	0.47	0.55	20.69	0.60



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PV159	PV160	81.64	DN150	2.13	0.48	13.44	0.61
PV160	PV161	84.43	DN150	2.47	10.48	60.00	1.59
PV161	PV162	79.51	DN150	2.78	0.36	11.06	0.62
PV161	PV164	72.06	DN150	0.96	10.85	80.26	1.13
PV164	PV165	79.07	DN150	1.20	10.86	75.02	1.23
PV165	PV166	57.56	DN150	1.06	10.86	77.89	1.17
PV166	PV167	66.35	DN200	0.20	14.42	129.96	0.67
PV167	PV168	63.77	DN200	0.20	14.44	130.08	0.67
PV168	PV169	51.22	DN200	0.20	14.44	130.11	0.67
PV169	PV178	97.42	DN150	2.83	0.46	12.35	0.67
PV169	PV179	63.71	DN200	0.20	14.91	133.08	0.67
PV171	PV172	102.34	DN150	2.50	0.42	12.20	0.62
PV172	PV173	90.35	DN150	2.50	0.44	12.45	0.63
PV173	PV181	71.88	DN150	2.50	0.46	12.68	0.64
PV176	PV177	83.16	DN150	2.50	0.42	12.16	0.62
PV177	PV178	74.74	DN150	2.64	0.44	12.24	0.64
PV179	PV180	31.88	DN200	0.20	14.91	133.10	0.67
PV180	PV181	59.24	DN150	2.28	0.47	13.17	0.62
PV183	PV184	74.68	DN150	2.60	0.42	12.06	0.63
PV184	PV186	82.78	DN150	2.83	0.44	12.05	0.66
PV186	PV187	66.33	DN150	2.28	0.47	13.04	0.62
PV189	PV190	64.84	DN150	1.73	0.60	15.69	0.61
PV189	PV197	27.98	DN150	3.54	0.51	12.26	0.74
PV190	PV191	59.07	DN150	1.74	0.61	15.85	0.61
PV191	PV192	68.28	DN150	2.05	0.63	15.45	0.66
PV192	PV193	62.30	DN150	2.07	0.65	15.61	0.66
PV193	PV202	26.51	DN200	0.20	16.53	143.86	0.68
PV195	PV196	86.36	DN150	2.20	0.48	13.33	0.62
PV196	PV197	63.20	DN150	2.20	0.49	13.54	0.62
PV198	PV199	80.53	DN150	3.73	0.36	10.24	0.68
PV199	PV201	63.00	DN150	2.54	0.38	11.51	0.61
PV201	PV202	62.99	DN150	2.33	0.44	12.63	0.62
PV202	PV203	71.99	DN200	0.20	16.98	147.02	0.69
PV203	PV205	73.32	DN150	2.77	0.38	11.27	0.62
PV203	PV207	79.65	DN200	0.20	17.36	149.81	0.69
PV204	PV205	51.59	DN150	2.81	0.36	10.98	0.62
PV207	PV208	89.64	DN200	0.20	17.37	149.88	0.69
PV208	PV209	82.22	DN200	0.20	17.38	149.94	0.69
PV209	PV210	29.68	DN200	0.20	17.38	149.98	0.69
PV210	PV211	63.56	DN200	0.20	17.39	150.01	0.69
PV211	PV212	63.42	DN200	0.20	17.40	150.06	0.69
PV212	PV213	12.06	DN200	0.20	17.40	150.08	0.69
PV213	PV933	91.71	DN150	0.80	1.61	30.50	0.62
PV213	PV934	77.23	DN250	0.20	20.92	140.31	0.74
PV213	PV955	31.40	DN150	1.40	1.91	28.95	0.80
PV214	PV215	97.65	DN150	1.60	0.48	14.42	0.60
PV215	PV931	71.81	DN150	1.20	1.02	22.16	0.63
PV215	PV932	29.94	DN150	0.90	1.52	28.83	0.64
PV218	PV220	92.92	DN150	4.08	0.25	8.42	0.63
PV220	PV223	103.34	DN150	2.50	0.39	11.79	0.61
PV222	PV223	93.15	DN150	4.02	0.25	8.48	0.62
PV223	PV224	53.28	DN150	2.30	0.66	15.33	0.69
PV225	PV226	70.45	DN150	0.98	2.96	39.40	0.80
PV225	PV233	73.63	DN150	2.90	0.37	11.02	0.63

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PV226	PV227	55.80	DN150	1.16	2.98	37.86	0.85
PV227	PV228	85.19	DN150	1.98	3.61	36.46	1.09
PV227	PV237	61.21	DN150	2.24	0.62	14.99	0.67
PV228	PV263	104.36	DN150	2.05	3.63	36.25	1.10
PV230	PV240	132.19	DN150	1.82	0.60	15.51	0.62
PV230	PV241	75.12	DN150	2.02	0.62	15.40	0.65
PV231	PV232	127.66	DN150	3.00	0.33	10.39	0.62
PV232	PV233	54.41	DN150	3.42	0.35	10.30	0.65
PV235	PV236	89.06	DN150	2.19	0.59	14.80	0.66
PV236	PV237	89.76	DN150	2.38	0.60	14.58	0.68
PV238	PV250	61.71	DN150	1.99	0.59	15.12	0.64
PV241	PV242	73.11	DN150	1.50	0.68	17.32	0.60
PV242	PV243	74.81	DN150	2.35	0.69	15.62	0.71
PV243	PV245	89.54	DN150	2.87	0.71	15.14	0.77
PV245	PV246	89.92	DN150	2.27	0.72	16.09	0.71
PV246	PV247	49.66	DN150	1.61	0.74	17.63	0.63
PV247	PV261	97.71	DN150	2.27	0.76	16.44	0.72
PV248	PV266	74.16	DN150	1.87	0.59	15.29	0.62
PV248	PV267	71.98	DN150	1.99	0.61	15.28	0.64
PV250	PV251	81.89	DN150	1.50	0.70	17.55	0.61
PV251	PV253	75.74	DN150	1.72	0.73	17.26	0.64
PV253	PV254	73.11	DN150	1.76	0.74	17.34	0.65
PV254	PV255	74.81	DN150	1.74	0.75	17.46	0.65
PV255	PV257	89.79	DN150	2.45	0.77	16.32	0.74
PV257	PV258	89.89	DN150	2.04	0.78	17.13	0.70
PV258	PV259	52.11	DN150	2.15	5.15	42.79	1.24
PV258	PV275	71.55	DN150	2.43	4.37	38.13	1.24
PV259	PV260	98.33	DN150	2.23	5.16	42.43	1.26
PV260	PV924	104.63	DN150	2.29	5.18	42.21	1.27
PV261	PV262	98.25	DN150	2.10	0.76	16.84	0.70
PV262	PV263	76.19	DN150	1.61	0.78	18.12	0.64
PV263	PV958	73.76	DN150	2.14	4.43	39.64	1.19
PV265	PV266	81.85	DN150	2.47	0.48	12.97	0.64
PV267	PV268	85.10	DN150	1.32	1.21	23.55	0.68
PV267	PV278	71.67	DN150	1.95	0.59	15.14	0.63
PV268	PV270	69.39	DN150	0.99	1.82	30.76	0.70
PV268	PV281	74.23	DN150	3.17	0.59	13.50	0.75
PV270	PV271	69.75	DN150	1.61	2.42	31.50	0.90
PV270	PV284	80.18	DN150	2.25	0.59	14.64	0.66
PV271	PV272	82.70	DN150	1.54	3.02	35.53	0.94
PV271	PV287	73.58	DN150	3.03	0.59	13.63	0.74
PV272	PV274	92.46	DN150	2.64	3.51	33.45	1.19
PV272	PV290	65.58	DN150	2.26	0.47	13.15	0.62
PV274	PV275	87.56	DN150	2.76	3.51	33.10	1.21
PV275	PV296	78.03	DN150	1.85	0.85	18.30	0.69
PV277	PV278	81.50	DN150	2.40	0.48	13.06	0.64
PV280	PV281	81.52	DN150	2.45	0.48	12.99	0.64
PV283	PV284	77.53	DN150	2.32	0.48	13.15	0.63
PV286	PV287	77.52	DN150	2.30	0.48	13.19	0.63
PV289	PV290	77.53	DN150	2.73	0.36	11.08	0.61
PV292	PV293	83.91	DN150	3.04	0.33	10.32	0.62
PV293	PV296	107.18	DN150	1.77	0.57	15.23	0.60
PV295	PV296	54.94	DN150	3.70	0.27	8.93	0.62
PV298	PV299	76.01	DN150	2.30	0.42	12.41	0.60

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PV299	PV302	73.05	DN150	0.94	1.30	26.43	0.62
PV301	PV302	73.58	DN150	2.32	0.42	12.37	0.61
PV302	PV305	76.74	DN150	0.90	1.74	30.83	0.66
PV304	PV305	70.89	DN150	2.36	0.42	12.32	0.61
PV305	PV308	77.31	DN150	0.96	2.17	33.94	0.72
PV307	PV308	55.93	DN150	2.36	0.42	12.32	0.61
PV308	PV311	67.12	DN150	1.61	2.61	32.66	0.92
PV310	PV311	77.05	DN150	2.48	0.42	12.18	0.62
PV311	PV314	82.09	DN150	2.11	3.04	32.92	1.06
PV313	PV314	76.85	DN150	2.49	0.42	12.17	0.62
PV314	PV317	74.87	DN150	3.13	3.46	31.86	1.26
PV316	PV317	77.86	DN150	2.65	0.36	11.17	0.61
PV317	PV320	88.51	DN150	3.10	3.83	33.58	1.30
PV319	PV320	77.39	DN150	2.86	0.36	10.97	0.62
PV320	PV323	59.03	DN150	3.66	4.19	33.71	1.41
PV322	PV323	76.10	DN150	2.77	0.36	11.05	0.62
PV323	PV326	76.69	DN150	3.42	4.56	35.76	1.41
PV325	PV326	75.85	DN150	2.79	0.36	11.03	0.62
PV326	PV329	78.16	DN150	2.90	4.93	38.73	1.36
PV328	PV329	78.57	DN150	2.99	0.36	10.85	0.63
PV329	PV633	90.08	DN150	2.27	5.30	42.81	1.27
PV330	PV331	76.11	DN150	2.30	0.42	12.40	0.60
PV330	PV334	74.75	DN150	1.08	1.13	23.80	0.62
PV333	PV337	73.62	DN150	0.76	0.59	18.97	0.60
PV334	PV335	80.15	DN150	2.25	0.44	12.79	0.61
PV334	PV338	75.90	DN150	1.00	1.68	29.52	0.68
PV337	PV341	76.21	DN150	2.00	0.70	16.34	0.67
PV338	PV339	80.55	DN150	2.27	0.44	12.75	0.61
PV338	PV343	81.31	DN150	0.61	2.23	38.43	0.62
PV341	PV345	82.21	DN150	1.39	0.81	19.14	0.62
PV343	PV346	63.68	DN150	0.83	2.34	36.48	0.70
PV344	PV345	69.71	DN150	1.78	0.59	15.55	0.61
PV345	PV349	61.37	DN150	1.74	1.51	24.50	0.81
PV346	PV350	79.15	DN150	1.10	2.37	34.23	0.78
PV348	PV349	77.22	DN150	2.03	0.52	14.19	0.62
PV349	PV353	82.20	DN150	1.87	2.05	27.88	0.90
PV350	PV354	75.02	DN150	1.83	2.40	30.36	0.94
PV352	PV353	74.64	DN150	2.26	0.44	12.76	0.61
PV353	PV357	74.32	DN150	2.49	2.49	28.66	1.06
PV356	PV357	74.86	DN150	2.38	0.42	12.29	0.61
PV357	PV361	71.81	DN150	2.90	2.92	29.83	1.17
PV360	PV361	75.82	DN150	2.30	0.42	12.39	0.60
PV361	PV365	76.70	DN150	2.75	3.34	32.31	1.19
PV362	PV366	75.34	DN150	2.85	3.30	31.83	1.21
PV362	PV401	73.98	DN150	2.73	0.40	11.58	0.63
PV364	PV365	74.92	DN150	2.28	0.44	12.74	0.61
PV365	PV369	75.39	DN150	3.12	3.79	33.35	1.30
PV366	PV370	76.81	DN150	2.63	3.63	34.07	1.20
PV366	PV404	73.88	DN150	3.65	0.30	9.52	0.64
PV368	PV369	77.95	DN150	2.48	0.42	12.18	0.62
PV369	PV374	78.05	DN150	2.80	4.22	36.15	1.29
PV370	PV624	87.63	DN150	2.27	3.67	35.52	1.15
PV372	PV627	86.69	DN150	3.50	0.28	9.28	0.62
PV374	PV630	93.46	DN150	2.72	4.23	36.46	1.27

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PV376	PV377	69.23	DN150	2.30	0.42	12.39	0.60
PV377	PV380	75.36	DN150	1.36	0.77	18.80	0.61
PV379	PV380	75.42	DN150	2.41	0.42	12.25	0.61
PV380	PV383	75.00	DN150	1.04	1.21	24.94	0.63
PV382	PV383	68.46	DN150	2.52	0.44	12.44	0.63
PV383	PV386	81.71	DN150	0.82	1.67	30.94	0.64
PV385	PV386	73.44	DN150	2.81	0.38	11.34	0.63
PV386	PV387	68.94	DN150	1.00	2.07	32.76	0.73
PV387	PV388	72.18	DN150	2.96	0.33	10.36	0.61
PV387	PV390	72.29	DN150	1.80	2.41	30.56	0.93
PV390	PV391	73.97	DN150	2.85	0.33	10.46	0.60
PV390	PV393	75.73	DN150	1.73	2.76	32.96	0.96
PV393	PV394	71.60	DN150	2.44	0.42	12.21	0.62
PV393	PV396	70.70	DN150	1.77	3.19	35.24	1.01
PV396	PV399	77.47	DN150	1.78	3.20	35.27	1.01
PV399	PV402	75.34	DN150	1.59	3.21	36.34	0.97
PV402	PV405	75.56	DN150	1.44	3.23	37.35	0.94
PV405	PV618	88.39	DN150	1.56	3.24	36.69	0.97
PV407	PV621	88.70	DN150	3.00	0.36	10.86	0.63
PV411	PV412	75.60	DN150	2.29	0.42	12.42	0.60
PV412	PV414	73.84	DN150	1.00	1.19	24.93	0.62
PV413	PV414	72.16	DN150	0.92	1.30	26.57	0.61
PV413	PV415	75.52	DN150	0.85	1.42	28.25	0.61
PV415	PV437	75.95	DN150	0.80	1.53	29.76	0.61
PV418	PV420	73.55	DN150	3.07	0.31	10.03	0.61
PV420	PV421	83.08	DN150	2.18	0.46	13.06	0.61
PV420	PV426	72.58	DN150	0.94	1.53	28.65	0.65
PV423	PV424	87.74	DN150	2.04	0.56	14.64	0.63
PV423	PV428	75.63	DN150	0.86	1.31	27.15	0.60
PV426	PV431	75.35	DN150	0.90	1.64	29.93	0.65
PV428	PV430	86.59	DN150	2.26	0.44	12.78	0.61
PV428	PV432	75.24	DN150	0.70	1.77	33.09	0.61
PV431	PV435	76.08	DN150	0.78	1.88	33.25	0.64
PV432	PV433	82.67	DN150	2.52	0.40	11.83	0.61
PV432	PV453	73.74	DN150	0.60	2.19	38.28	0.62
PV435	PV444	74.03	DN150	0.68	2.18	37.05	0.64
PV437	PV438	74.05	DN150	0.80	1.64	30.86	0.63
PV438	PV439	76.42	DN150	0.75	1.75	32.39	0.62
PV439	PV440	76.47	DN150	0.61	2.06	36.86	0.61
PV440	PV441	75.59	DN150	0.70	2.29	37.71	0.66
PV441	PV442	72.89	DN150	0.70	2.41	38.66	0.67
PV442	PV443	75.30	DN150	0.70	2.52	39.55	0.68
PV443	PV468	76.49	DN150	0.70	2.64	40.51	0.69
PV444	PV445	75.46	DN150	0.70	2.29	37.64	0.66
PV445	PV447	74.95	DN150	0.60	2.79	43.36	0.66
PV445	PV456	87.01	DN150	2.53	0.40	11.81	0.61
PV447	PV448	75.41	DN150	0.58	3.30	47.62	0.68
PV447	PV459	87.17	DN150	2.60	0.40	11.73	0.62
PV448	PV450	75.41	DN150	0.56	3.68	51.03	0.69
PV448	PV461	87.24	DN150	2.74	0.36	11.10	0.61
PV450	PV451	75.08	DN150	0.71	4.04	50.33	0.78
PV450	PV464	84.71	DN150	2.90	0.34	10.61	0.61
PV451	PV467	84.48	DN150	3.07	0.34	10.47	0.63
PV451	PV481	76.99	DN150	0.53	4.39	56.75	0.72

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PV453	PV454	83.15	DN150	2.34	0.42	12.36	0.61
PV453	PV455	74.28	DN150	0.51	2.63	43.75	0.61
PV455	PV457	76.46	DN150	0.56	2.64	42.84	0.63
PV457	PV460	75.32	DN150	0.72	2.66	40.40	0.69
PV460	PV462	75.41	DN150	0.62	2.68	42.01	0.66
PV462	PV465	74.15	DN150	0.54	2.69	43.74	0.63
PV465	PV478	76.62	DN150	0.48	2.70	45.05	0.60
PV468	PV469	73.73	DN150	0.70	2.66	40.64	0.69
PV469	PV470	80.30	DN150	0.78	2.68	39.60	0.72
PV470	PV471	70.36	DN150	0.77	2.68	39.78	0.71
PV471	PV472	78.93	DN150	0.90	2.70	38.41	0.75
PV472	PV473	69.09	DN150	0.72	2.70	40.63	0.70
PV473	PV474	71.71	DN150	0.91	2.71	38.45	0.76
PV474	PV475	75.37	DN150	1.00	2.72	37.60	0.78
PV475	PV476	76.56	DN150	1.72	2.73	32.83	0.95
PV476	PV477	74.15	DN150	1.66	2.74	33.18	0.94
PV477	PV614	87.18	DN150	1.86	2.75	32.32	0.98
PV478	PV482	73.56	DN150	0.50	2.71	44.63	0.61
PV480	PV481	80.68	DN150	3.23	0.30	9.83	0.62
PV481	PV485	73.16	DN150	0.55	4.72	58.54	0.74
PV482	PV487	75.97	DN150	0.62	2.71	42.36	0.66
PV484	PV485	84.42	DN150	2.97	0.33	10.38	0.61
PV485	PV490	76.78	DN150	0.60	5.05	59.24	0.78
PV487	PV491	74.86	DN150	0.53	2.72	44.04	0.63
PV489	PV490	88.52	DN150	2.84	0.34	10.67	0.61
PV490	PV494	74.33	DN150	0.63	5.39	60.54	0.81
PV491	PV496	73.13	DN150	0.50	2.72	44.84	0.61
PV493	PV494	84.06	DN150	3.03	0.33	10.33	0.62
PV494	PV499	72.17	DN150	0.79	5.73	58.87	0.89
PV496	PV542	71.45	DN150	0.50	2.73	44.89	0.61
PV498	PV499	84.02	DN150	3.30	0.30	9.78	0.62
PV499	PV503	71.50	DN150	0.74	6.04	61.65	0.88
PV502	PV503	84.03	DN150	3.48	0.30	9.66	0.63
PV503	PV508	75.80	DN150	0.67	6.34	65.11	0.86
PV505	PV509	76.67	DN150	0.50	3.07	47.70	0.63
PV505	PV542	74.11	DN150	0.50	3.06	47.65	0.63
PV507	PV508	83.97	DN150	3.33	0.30	9.75	0.62
PV508	PV512	75.31	DN150	0.81	6.65	63.49	0.94
PV509	PV514	73.51	DN150	0.73	3.07	43.22	0.73
PV511	PV512	83.92	DN150	3.09	0.30	9.93	0.61
PV512	PV517	73.38	DN150	1.34	6.96	56.77	1.14
PV514	PV518	76.74	DN150	1.29	3.08	37.49	0.89
PV516	PV517	83.86	DN150	3.32	0.30	9.77	0.62
PV517	PV522	77.68	DN150	1.85	7.27	53.23	1.30
PV518	PV582	86.48	DN150	0.47	6.45	72.81	0.76
PV518	PV598	75.13	DN150	1.20	9.54	69.56	1.19
PV520	PV606	82.95	DN150	2.15	0.48	13.43	0.61
PV522	PV610	91.58	DN150	1.94	7.29	52.61	1.32
PV542	PV573	85.24	DN150	3.03	0.33	10.33	0.62
PV547	PV548	72.02	DN150	2.47	0.42	12.18	0.62
PV548	PV549	27.57	DN150	1.40	0.83	19.31	0.62
PV549	PV551	59.10	DN150	1.00	1.13	24.28	0.61
PV550	PV551	83.44	DN150	2.72	0.42	11.93	0.64
PV551	PV552	73.41	DN150	0.80	1.56	30.12	0.62

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PV552	PV553	83.52	DN150	2.99	0.42	11.66	0.66
PV552	PV554	73.15	DN150	0.60	2.11	37.55	0.61
PV554	PV555	78.64	DN150	3.24	0.36	10.66	0.65
PV554	PV556	77.92	DN150	0.52	2.47	42.26	0.61
PV556	PV557	82.96	DN150	3.08	0.36	10.79	0.64
PV556	PV558	73.88	DN150	0.50	2.84	45.84	0.62
PV558	PV559	75.00	DN150	0.50	2.85	45.89	0.62
PV559	PV560	75.01	DN150	0.50	2.85	45.94	0.62
PV560	PV561	83.80	DN150	2.71	0.36	11.13	0.61
PV560	PV562	76.29	DN150	0.53	3.22	48.19	0.66
PV562	PV563	84.59	DN150	3.01	0.36	10.85	0.63
PV562	PV564	73.93	DN150	0.50	3.59	51.80	0.66
PV564	PV565	84.74	DN150	2.74	0.42	11.91	0.64
PV564	PV566	75.15	DN150	0.50	4.01	54.99	0.68
PV566	PV567	84.92	DN150	2.72	0.42	11.93	0.64
PV566	PV568	75.36	DN150	0.47	4.44	59.04	0.69
PV568	PV569	85.08	DN150	2.42	0.42	12.26	0.62
PV568	PV570	74.12	DN150	0.47	4.87	62.09	0.70
PV570	PV571	85.25	DN150	2.76	0.36	11.08	0.62
PV570	PV572	71.45	DN150	0.47	5.24	64.65	0.72
PV572	PV575	72.39	DN150	0.47	5.24	64.68	0.72
PV575	PV576	85.33	DN150	2.57	0.41	11.93	0.62
PV575	PV577	78.09	DN150	0.47	5.66	67.52	0.73
PV577	PV578	85.60	DN150	2.85	0.34	10.66	0.61
PV577	PV579	73.62	DN150	0.47	6.00	69.83	0.74
PV579	PV580	85.69	DN150	2.46	0.42	12.22	0.62
PV579	PV581	75.68	DN150	0.47	6.43	72.65	0.76
PV581	PV582	85.05	DN150	0.47	6.43	72.69	0.76
PV585	PV586	74.47	DN150	1.35	0.78	18.89	0.60
PV586	PV588	76.59	DN150	1.28	0.84	19.87	0.61
PV588	PV590	75.47	DN150	1.38	0.86	19.72	0.63
PV590	PV592	53.36	DN150	1.50	0.87	19.49	0.65
PV592	PV604	92.46	DN150	2.27	0.89	17.82	0.75
PV595	PV599	81.72	DN150	3.29	0.30	9.78	0.62
PV596	PV602	67.48	DN150	3.66	0.26	8.79	0.61
PV597	PV603	55.98	DN150	3.79	0.24	8.50	0.61
PV598	PV599	72.81	DN150	1.29	9.55	68.22	1.22
PV599	PV600	22.83	DN150	2.00	9.85	61.44	1.45
PV600	PV602	47.40	DN150	1.56	9.86	65.83	1.32
PV602	PV603	69.27	DN150	1.72	10.12	65.03	1.38
PV603	PV604	51.44	DN150	1.44	10.36	69.31	1.30
PV604	PV634	83.33	DN150	1.40	11.26	73.23	1.31
PV606	PV607	88.39	DN150	1.97	0.54	14.56	0.62
PV607	PV609	82.48	DN150	2.15	0.57	14.56	0.65
PV609	PV661	85.75	DN150	2.01	0.59	15.02	0.64
PV610	PV611	80.26	DN150	2.18	7.30	51.10	1.37
PV611	PV613	83.62	DN150	2.20	7.33	51.06	1.38
PV613	PV673	84.01	DN150	2.24	7.34	50.90	1.39
PV614	PV615	85.64	DN150	2.02	2.77	31.76	1.01
PV615	PV617	85.47	DN150	2.08	2.78	31.59	1.03
PV617	PV690	81.74	DN150	2.02	2.79	31.94	1.02
PV618	PV619	84.28	DN150	2.23	3.26	33.64	1.10
PV619	PV694	81.95	DN150	2.04	3.27	34.47	1.07
PV621	PV622	82.96	DN150	3.00	0.54	13.15	0.72

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PV622	PV700	87.58	DN150	2.48	0.66	15.10	0.71
PV624	PV625	83.46	DN150	2.38	3.70	35.23	1.17
PV625	PV712	87.23	DN150	2.01	3.73	36.96	1.10
PV627	PV628	83.83	DN150	2.59	0.39	11.67	0.62
PV628	PV723	79.73	DN150	2.42	0.51	13.40	0.65
PV630	PV631	76.53	DN150	2.64	4.25	36.81	1.26
PV631	PV729	80.51	DN150	2.22	4.27	38.54	1.19
PV632	PV734	84.71	DN150	2.92	0.42	11.74	0.66
PV633	PV735	84.37	DN150	2.52	5.30	41.66	1.32
PV634	PV635	90.57	DN150	1.35	11.28	74.22	1.29
PV635	PV636	81.75	DN150	1.33	11.30	74.51	1.29
PV636	PV637	90.90	DN150	1.38	11.32	73.91	1.31
PV637	PV638	85.75	DN150	1.08	11.34	79.41	1.19
PV638	PV639	84.10	DN150	1.28	11.36	75.57	1.27
PV639	PV640	70.50	DN150	1.43	11.38	73.26	1.33
PV640	PV641	78.75	DN150	1.65	11.40	70.38	1.40
PV641	PV642	63.20	DN150	2.39	11.42	63.46	1.61
PV642	PV643	72.69	DN150	1.61	11.43	70.99	1.39
PV643	PV644	73.18	DN150	1.60	11.43	71.15	1.38
PV644	PV645	65.14	DN150	1.44	12.81	78.38	1.37
PV644	PV873	70.27	DN150	2.99	1.36	20.38	0.94
PV645	PV646	63.96	DN150	1.49	12.81	77.72	1.39
PV646	PV647	66.43	DN150	1.73	13.21	75.63	1.48
PV646	PV908	69.61	DN150	2.43	0.40	11.90	0.60
PV647	PV648	61.37	DN150	1.89	13.21	73.71	1.53
PV648	PV649	64.47	DN150	1.68	13.54	77.52	1.47
PV648	PV909	68.99	DN150	2.96	0.32	10.36	0.61
PV649	PV650	64.87	DN150	1.68	13.55	77.46	1.47
PV650	PV651	84.06	DN150	2.00	13.96	74.88	1.58
PV650	PV910	66.72	DN150	2.38	0.41	12.11	0.61
PV651	PV652	64.06	DN150	2.00	14.30	75.96	1.59
PV651	PV911	67.46	DN150	2.88	0.34	10.60	0.61
PV652	PV653	60.05	DN150	2.00	14.32	76.01	1.59
PV653	PV654	65.84	DN150	1.30	14.67	88.03	1.36
PV653	PV912	66.24	DN150	2.78	0.35	10.86	0.61
PV654	PV854	46.79	DN150	1.70	15.36	83.33	1.52
PV654	PV913	57.91	DN150	1.52	0.68	17.17	0.60
PV658	PV659	79.64	DN150	2.50	0.48	12.92	0.65
PV659	PV660	90.03	DN150	2.04	0.50	13.79	0.61
PV660	PV741	93.85	DN150	2.78	0.52	13.10	0.69
PV661	PV663	82.98	DN150	2.08	0.61	15.18	0.65
PV663	PV664	90.13	DN150	2.00	0.63	15.55	0.65
PV664	PV665	47.35	DN150	2.56	0.65	14.90	0.72
PV665	PV667	62.64	DN150	1.60	0.67	16.87	0.61
PV667	PV668	62.71	DN150	1.60	0.67	16.92	0.61
PV668	PV669	13.40	DN150	1.90	0.67	16.26	0.65
PV669	PV671	93.48	DN150	1.81	0.68	16.53	0.64
PV671	PV672	86.74	DN150	2.82	0.69	14.93	0.75
PV672	PV686	10.77	DN150	3.25	0.69	14.45	0.79
PV673	PV675	85.43	DN150	1.70	7.37	54.87	1.26
PV675	PV676	87.84	DN150	2.15	7.39	51.58	1.37
PV676	PV677	85.65	DN150	2.83	7.41	48.10	1.52
PV677	PV678	88.89	DN150	2.45	7.42	49.94	1.44
PV678	PV687	72.83	DN150	1.18	13.57	86.40	1.29

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PV678	PV699	83.37	DN150	1.12	6.14	55.70	1.03
PV679	PV680	71.53	DN150	3.61	0.30	9.56	0.64
PV680	PV687	75.29	DN150	3.92	0.31	9.45	0.66
PV682	PV683	52.34	DN150	3.04	0.32	10.26	0.61
PV683	PV684	99.16	DN150	1.00	1.09	23.93	0.60
PV684	PV686	74.60	DN150	1.00	1.10	23.99	0.60
PV686	PV769	8.28	DN150	1.00	1.79	30.46	0.70
PV687	PV688	75.44	DN150	0.73	13.88	103.15	1.07
PV688	PV689	68.71	DN150	1.00	13.88	92.59	1.21
PV689	PV709	80.61	DN150	1.46	13.89	82.00	1.41
PV690	PV692	89.17	DN150	1.85	2.81	32.70	0.99
PV692	PV693	84.20	DN150	2.39	2.81	30.73	1.08
PV693	PV698	73.81	DN150	2.27	2.82	31.19	1.06
PV694	PV695	85.01	DN150	2.25	3.29	33.73	1.11
PV695	PV697	84.70	DN150	2.08	3.30	34.46	1.08
PV697	PV698	88.57	DN150	1.89	3.31	35.34	1.04
PV698	PV699	44.80	DN150	1.54	6.14	51.09	1.16
PV700	PV701	80.18	DN150	2.00	0.68	16.09	0.66
PV701	PV703	88.44	DN150	1.50	0.70	17.52	0.61
PV703	PV704	84.61	DN150	1.50	0.72	17.73	0.61
PV704	PV705	52.06	DN150	1.40	0.73	18.22	0.60
PV705	PV706	96.09	DN150	1.50	0.92	19.93	0.66
PV706	PV707	94.72	DN150	1.20	0.94	21.24	0.61
PV707	PV708	63.45	DN150	1.10	1.18	24.26	0.64
PV708	PV709	50.94	DN150	1.00	1.18	24.87	0.62
PV709	PV710	73.98	DN150	1.28	15.08	90.09	1.36
PV710	PV711	82.25	DN150	1.50	15.09	85.68	1.45
PV711	PV721	74.57	DN150	1.41	3.95	41.60	0.99
PV711	PV722	80.11	DN150	1.21	19.04	108.67	1.39
PV712	PV713	81.96	DN150	2.10	3.76	36.69	1.12
PV713	PV715	86.59	DN150	1.64	3.80	39.23	1.03
PV715	PV716	85.62	DN150	2.09	3.83	37.04	1.13
PV716	PV717	60.69	DN150	0.87	3.86	46.47	0.83
PV717	PV718	70.96	DN150	0.82	3.88	47.46	0.81
PV718	PV719	95.38	DN150	0.79	3.90	48.06	0.80
PV719	PV720	60.18	DN150	1.35	3.92	41.92	0.97
PV720	PV721	79.62	DN150	0.53	3.94	53.68	0.69
PV722	PV775	72.34	DN150	3.82	0.25	8.57	0.61
PV722	PV805	73.44	DN150	1.70	19.30	96.67	1.60
PV723	PV724	88.01	DN150	2.14	0.62	15.17	0.66
PV724	PV726	87.52	DN150	1.50	0.74	17.93	0.62
PV726	PV727	86.44	DN150	1.80	0.85	18.37	0.68
PV727	PV728	59.55	DN150	1.30	0.96	21.07	0.63
PV728	PV732	17.69	DN150	0.47	4.34	58.33	0.68
PV728	PV798	96.95	DN150	1.05	5.32	52.41	0.97
PV729	PV730	84.09	DN150	2.06	4.29	39.39	1.16
PV730	PV731	89.10	DN150	1.56	4.31	42.38	1.05
PV731	PV732	88.27	DN150	1.27	4.33	44.76	0.98
PV734	PV735	39.71	DN150	3.15	0.55	13.03	0.73
PV735	PV736	83.72	DN150	1.93	5.87	47.00	1.24
PV736	PV737	81.89	DN150	1.64	5.88	49.13	1.17
PV737	PV738	84.34	DN150	1.64	5.91	49.24	1.17
PV738	PV739	77.82	DN150	1.85	5.92	47.83	1.22
PV739	PV740	81.08	DN150	2.00	5.94	46.91	1.26



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PV740	PV817	103.51	DN150	1.57	5.96	50.03	1.15
PV741	PV742	71.18	DN150	1.50	0.82	18.84	0.64
PV742	PV743	68.17	DN150	1.41	0.83	19.31	0.63
PV743	PV744	74.31	DN150	1.37	0.85	19.62	0.62
PV744	PV745	64.37	DN150	3.98	0.23	8.23	0.61
PV744	PV747	69.37	DN150	1.40	1.10	22.10	0.68
PV747	PV748	73.18	DN150	1.40	1.11	22.27	0.68
PV748	PV749	66.42	DN150	2.42	0.39	11.89	0.60
PV748	PV751	63.37	DN150	1.50	1.53	25.51	0.77
PV751	PV752	66.50	DN150	1.50	1.53	25.55	0.77
PV752	PV753	68.53	DN150	3.01	0.31	10.13	0.61
PV752	PV754	67.62	DN150	1.40	1.86	28.59	0.79
PV754	PV755	57.91	DN150	1.02	1.86	30.95	0.71
PV755	PV756	68.84	DN150	4.20	0.22	7.93	0.61
PV755	PV757	62.32	DN150	1.40	2.10	30.35	0.82
PV757	PV758	68.22	DN150	0.92	2.11	33.70	0.71
PV758	PV759	69.52	DN150	3.85	0.24	8.49	0.61
PV758	PV797	63.77	DN150	1.50	2.37	31.64	0.87
PV760	PV761	75.03	DN150	3.09	0.31	10.09	0.61
PV761	PV768	68.91	DN150	1.18	0.91	21.04	0.60
PV767	PV768	68.91	DN150	1.00	1.15	24.52	0.61
PV767	PV854	101.69	DN150	0.95	1.17	25.10	0.60
PV769	PV770	72.41	DN150	2.37	1.79	24.68	0.94
PV770	PV771	73.40	DN150	2.49	1.80	24.42	0.96
PV771	PV772	73.40	DN150	2.30	1.80	24.94	0.94
PV772	PV780	46.37	DN150	3.52	1.81	22.55	1.09
PV774	PV775	45.53	DN150	3.82	0.24	8.48	0.61
PV777	PV779	61.60	DN150	3.00	0.36	10.81	0.63
PV779	PV780	65.74	DN150	1.81	0.56	15.07	0.61
PV780	PV781	66.62	DN150	1.00	2.38	35.11	0.76
PV781	PV782	70.42	DN150	0.90	2.38	36.09	0.73
PV782	PV783	60.85	DN150	4.45	0.21	7.62	0.61
PV782	PV785	68.42	DN150	0.90	2.60	37.67	0.75
PV785	PV792	62.69	DN150	1.49	2.60	33.26	0.89
PV787	PV792	69.63	DN150	2.53	0.12	6.60	0.60
PV789	PV791	64.43	DN150	3.50	0.29	9.42	0.62
PV791	PV794	73.93	DN150	3.26	0.30	9.73	0.62
PV792	PV793	60.50	DN150	1.29	2.72	35.24	0.86
PV793	PV794	65.33	DN150	1.81	2.73	32.43	0.97
PV794	PV795	72.76	DN150	3.00	0.33	10.33	0.61
PV794	PV835	80.58	DN150	0.92	3.36	42.63	0.81
PV797	PV1146	10.60	DN150	1.40	2.38	32.27	0.85
PV798	PV799	89.15	DN150	0.94	5.34	54.08	0.93
PV799	PV800	71.05	DN150	1.50	5.35	47.86	1.10
PV800	PV802	56.87	DN150	0.70	5.37	58.69	0.84
PV802	PV803	65.35	DN150	0.50	5.38	64.51	0.74
PV803	PV804	48.69	DN150	0.50	5.38	64.53	0.74
PV804	PV805	63.30	DN150	2.19	5.39	43.55	1.26
PV805	PV806	61.98	DN200	1.20	24.69	103.37	1.51
PV806	PV807	74.27	DN200	1.20	24.70	103.38	1.51
PV807	PV808	73.92	DN200	1.61	24.71	94.86	1.68
PV808	PV809	70.60	DN200	1.34	25.13	100.98	1.58
PV808	PV816	64.59	DN150	2.51	0.42	12.12	0.62
PV809	PV822	55.07	DN300	0.20	42.65	195.39	0.87

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PV809	PV828	101.16	DN350	0.20	67.80	236.69	0.98
PV812	PV813	97.42	DN150	1.91	0.54	14.57	0.61
PV813	PV814	69.49	DN150	1.59	1.14	21.87	0.72
PV814	PV815	72.84	DN150	1.11	1.21	24.48	0.64
PV815	PV821	82.42	DN150	1.10	1.22	24.62	0.64
PV817	PV818	88.21	DN150	1.83	5.98	48.20	1.22
PV818	PV819	101.25	DN150	1.97	6.00	47.36	1.25
PV819	PV820	80.05	DN300	0.20	41.40	191.40	0.87
PV819	PV941	66.74	DN250	0.23	35.39	195.38	0.86
PV820	PV821	88.79	DN300	0.20	41.41	191.44	0.87
PV821	PV822	60.67	DN300	0.20	42.64	195.36	0.87
PV824	PV825	65.40	DN150	2.40	0.42	12.23	0.61
PV825	PV826	66.25	DN150	2.57	0.43	12.26	0.63
PV826	PV827	9.89	DN150	2.50	0.45	12.51	0.63
PV827	PV828	78.51	DN150	2.24	0.46	13.07	0.62
PV828	PV832	68.68	DN350	0.20	68.27	237.90	0.98
PV829	PV830	70.27	DN150	2.75	0.36	11.06	0.61
PV830	PV833	35.22	DN150	2.61	0.38	11.47	0.61
PV832	PV833	76.34	DN350	0.20	68.28	237.94	0.98
PV833	PV834	65.00	DN350	0.20	68.68	238.94	0.98
PV834	PV835	57.89	DN350	0.20	68.69	238.97	0.98
PV835	PV836	80.09	DN350	0.20	72.06	247.80	0.99
PV836	PV837	96.74	DN350	0.20	72.07	247.85	0.99
PV837	PV838	80.19	DN350	0.20	74.48	254.41	0.99
PV837	PV1146	105.76	DN150	1.81	2.40	30.39	0.94
PV838	PV839	86.14	DN350	0.20	74.50	254.45	0.99
PV839	PV840	73.00	DN350	0.20	74.51	254.49	0.99
PV840	PV841	65.52	DN150	3.91	0.23	8.29	0.61
PV840	PV843	92.91	DN350	0.20	74.76	255.19	0.99
PV843	PV850	105.36	DN350	0.20	74.78	255.24	0.99
PV845	PV1093	106.09	DN400	0.20	102.05	281.44	1.08
PV850	PV851	100.36	DN350	0.20	74.80	255.28	0.99
PV851	PV852	71.68	DN350	0.23	91.38	288.44	1.08
PV851	PV855	59.59	DN150	1.48	16.57	91.48	1.47
PV852	PV853	73.56	DN350	0.23	91.39	288.48	1.08
PV853	PV906	100.11	DN150	3.64	4.09	33.34	1.40
PV853	PV1069	69.34	DN350	0.23	95.50	305.95	1.07
PV854	PV855	48.16	DN150	1.20	16.55	98.12	1.35
PV857	PV858	69.82	DN150	2.00	0.58	14.97	0.63
PV858	PV859	59.76	DN150	1.52	0.69	17.35	0.61
PV859	PV862	84.11	DN150	1.56	0.81	18.58	0.64
PV862	PV863	88.60	DN150	1.19	0.92	21.12	0.61
PV863	PV865	84.18	DN150	1.20	1.03	22.30	0.63
PV865	PV866	84.98	DN150	0.99	1.15	24.56	0.61
PV866	PV868	69.29	DN150	1.07	1.26	25.25	0.64
PV868	PV869	73.60	DN150	1.79	1.28	22.41	0.77
PV869	PV870	70.67	DN150	2.17	1.30	21.55	0.83
PV870	PV872	69.17	DN150	1.52	1.32	23.67	0.74
PV872	PV873	75.68	DN150	1.37	1.33	24.41	0.71
PV874	PV875	69.24	DN150	2.08	0.58	14.83	0.64
PV875	PV876	58.96	DN150	1.87	0.69	16.51	0.65
PV876	PV878	84.31	DN150	1.26	0.99	21.62	0.63
PV878	PV879	88.34	DN150	1.39	1.01	21.29	0.66
PV879	PV881	80.98	DN150	1.20	1.04	22.32	0.63

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PV881	PV882	88.28	DN150	1.18	1.05	22.60	0.63
PV882	PV884	71.37	DN150	2.26	1.08	19.52	0.80
PV884	PV885	76.94	DN150	1.96	1.09	20.34	0.76
PV885	PV886	65.06	DN150	1.20	1.11	23.08	0.64
PV886	PV888	74.24	DN150	1.00	1.12	24.23	0.61
PV888	PV889	70.20	DN150	1.27	1.13	22.93	0.66
PV889	PV891	66.38	DN150	1.93	1.15	20.91	0.77
PV891	PV892	63.69	DN150	3.26	1.15	18.46	0.93
PV892	PV894	63.61	DN150	2.34	2.36	28.30	1.02
PV892	PV1026	76.81	DN150	2.04	1.20	21.06	0.79
PV894	PV895	65.62	DN150	2.27	2.37	28.62	1.01
PV895	PV897	64.76	DN150	1.91	2.70	31.84	0.99
PV895	PV1064	75.26	DN150	2.99	0.33	10.34	0.61
PV897	PV898	66.77	DN150	1.86	2.72	32.18	0.98
PV898	PV900	80.71	DN150	2.90	3.09	30.68	1.19
PV898	PV1065	72.69	DN150	2.74	0.36	11.08	0.61
PV900	PV902	60.53	DN150	1.97	3.42	35.55	1.07
PV900	PV1066	75.17	DN150	2.98	0.33	10.35	0.61
PV902	PV903	60.32	DN150	1.97	3.44	35.60	1.07
PV903	PV905	64.76	DN150	1.24	3.77	41.99	0.93
PV903	PV1067	78.01	DN150	3.04	0.33	10.31	0.62
PV905	PV906	63.00	DN150	1.27	3.78	41.79	0.94
PV906	PV1068	79.84	DN150	3.23	0.30	9.82	0.62
PV913	PV914	63.10	DN150	2.00	0.53	14.34	0.62
PV916	PV917	95.73	DN150	3.29	0.42	11.43	0.69
PV917	PV920	78.55	DN150	2.20	0.44	12.81	0.60
PV918	PV919	75.93	DN150	3.00	0.48	12.38	0.69
PV919	PV920	80.65	DN150	2.91	0.50	12.68	0.69
PV920	PV921	61.40	DN150	1.55	0.95	20.60	0.67
PV921	PV922	66.49	DN150	4.32	0.24	8.27	0.64
PV921	PV924	65.36	DN150	1.82	1.21	21.76	0.77
PV924	PV925	64.68	DN150	3.28	6.41	42.95	1.53
PV925	PV978	106.31	DN150	0.61	6.43	67.40	0.84
PV926	PV942	71.79	DN150	2.84	0.36	10.98	0.62
PV927	PV928	90.37	DN150	2.50	0.42	12.18	0.62
PV928	PV929	73.53	DN150	2.00	0.55	14.51	0.62
PV929	PV930	74.45	DN150	1.50	0.98	20.61	0.67
PV929	PV944	77.00	DN150	2.34	0.42	12.37	0.61
PV930	PV931	52.13	DN150	1.60	1.00	20.51	0.69
PV932	PV933	99.49	DN150	0.90	1.54	29.04	0.64
PV934	PV935	62.04	DN250	0.20	20.93	140.35	0.74
PV935	PV936	107.15	DN250	0.20	20.94	140.40	0.74
PV936	PV937	17.47	DN250	0.20	20.94	140.42	0.74
PV937	PV938	91.96	DN250	0.20	21.52	142.82	0.74
PV937	PV975	76.99	DN150	2.22	0.56	14.29	0.65
PV938	PV939	90.96	DN250	0.20	21.53	142.86	0.74
PV939	PV940	36.82	DN250	0.20	21.53	142.88	0.74
PV940	PV941	117.45	DN250	0.23	34.47	190.71	0.86
PV940	PV973	90.59	DN150	2.79	12.92	65.10	1.76
PV941	PV1004	92.54	DN150	1.53	0.91	19.74	0.66
PV942	PV945	69.45	DN150	1.80	0.66	16.27	0.63
PV945	PV948	74.59	DN150	1.78	0.68	16.58	0.64
PV947	PV957	73.97	DN150	2.35	0.42	12.33	0.61
PV948	PV949	79.74	DN150	1.20	0.92	21.06	0.61

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PV949	PV953	92.15	DN150	1.20	0.94	21.32	0.61
PV951	PV956	92.66	DN150	1.39	0.79	18.85	0.61
PV951	PV957	79.23	DN150	1.60	0.66	16.74	0.61
PV953	PV954	97.29	DN150	1.07	1.07	23.25	0.61
PV954	PV955	72.04	DN150	1.62	1.09	21.25	0.71
PV955	PV956	96.25	DN150	1.39	0.81	19.07	0.62
PV958	PV959	65.25	DN150	1.52	4.45	43.37	1.05
PV959	PV961	10.57	DN150	1.23	4.46	45.85	0.97
PV961	PV962	72.08	DN150	1.42	4.48	44.33	1.03
PV962	PV963	72.96	DN150	1.29	4.50	45.51	0.99
PV963	PV965	90.46	DN150	1.85	4.52	41.60	1.13
PV965	PV966	99.45	DN150	0.47	4.54	59.76	0.69
PV966	PV968	41.70	DN150	0.47	4.56	59.90	0.69
PV968	PV970	81.89	DN150	0.47	4.58	60.03	0.69
PV970	PV971	81.69	DN150	0.87	4.60	51.01	0.87
PV971	PV973	100.64	DN150	1.24	12.81	82.05	1.29
PV971	PV1001	75.96	DN150	2.20	8.10	53.87	1.42
PV974	PV975	88.76	DN150	2.07	0.54	14.30	0.63
PV977	PV978	88.52	DN150	3.10	0.30	9.94	0.61
PV978	PV983	73.63	DN150	1.36	6.74	55.54	1.13
PV980	PV984	76.75	DN150	2.46	0.48	12.97	0.64
PV982	PV983	80.53	DN150	2.72	0.36	11.11	0.61
PV983	PV987	72.50	DN150	1.23	7.11	58.74	1.11
PV984	PV989	77.16	DN150	2.59	0.50	13.10	0.66
PV986	PV987	68.94	DN150	2.39	0.42	12.26	0.61
PV987	PV992	83.41	DN150	0.86	7.53	66.86	0.99
PV989	PV993	56.88	DN150	2.00	0.52	14.14	0.61
PV991	PV992	55.93	DN150	2.32	0.42	12.32	0.60
PV992	PV1006	58.17	DN150	0.93	7.95	67.55	1.03
PV993	PV994	49.58	DN150	2.08	0.53	14.21	0.63
PV994	PV998	80.26	DN150	2.00	0.56	14.63	0.63
PV996	PV1000	104.12	DN150	0.55	7.97	78.88	0.85
PV996	PV1006	47.52	DN150	0.93	7.96	67.61	1.03
PV998	PV999	77.82	DN150	1.50	0.74	17.93	0.62
PV999	PV1002	86.86	DN150	1.37	0.75	18.54	0.60
PV1000	PV1001	100.97	DN150	0.94	7.99	67.46	1.04
PV1002	PV1003	92.33	DN150	1.44	0.78	18.60	0.62
PV1003	PV1004	96.95	DN150	1.33	0.80	19.18	0.61
PV1007	PV1009	66.73	DN150	2.00	0.58	14.97	0.63
PV1009	PV1010	56.42	DN150	1.90	0.69	16.45	0.66
PV1010	PV1012	83.27	DN150	1.12	0.99	22.24	0.61
PV1012	PV1013	89.32	DN150	1.12	1.01	22.44	0.61
PV1013	PV1015	86.08	DN150	1.15	1.04	22.55	0.62
PV1015	PV1016	82.85	DN150	1.20	1.05	22.50	0.63
PV1016	PV1018	69.56	DN150	1.58	1.08	21.26	0.70
PV1018	PV1019	76.94	DN150	1.83	1.09	20.68	0.74
PV1019	PV1020	67.05	DN150	2.06	1.11	20.25	0.78
PV1020	PV1022	70.06	DN150	1.40	1.12	22.34	0.68
PV1022	PV1023	73.88	DN150	1.85	1.14	21.02	0.76
PV1023	PV1025	67.50	DN150	2.18	1.16	20.41	0.80
PV1025	PV1026	63.14	DN150	2.76	1.18	19.42	0.88
PV1029	PV1030	55.97	DN150	2.20	0.59	14.75	0.66
PV1030	PV1032	85.64	DN150	1.22	0.89	20.65	0.61
PV1032	PV1033	86.87	DN150	1.22	0.91	20.85	0.61

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PV1033	PV1035	83.95	DN150	1.20	0.93	21.14	0.61
PV1035	PV1036	85.07	DN150	1.21	0.94	21.29	0.62
PV1036	PV1038	70.06	DN150	1.91	0.96	19.23	0.73
PV1038	PV1039	79.96	DN150	1.66	0.98	20.06	0.70
PV1039	PV1040	63.34	DN150	1.88	1.00	19.64	0.73
PV1040	PV1042	70.69	DN150	1.98	1.12	20.50	0.77
PV1040	PV1072	73.65	DN150	3.95	0.12	5.98	0.60
PV1042	PV1043	72.74	DN150	1.65	1.13	21.59	0.72
PV1043	PV1045	64.84	DN150	2.93	1.38	20.68	0.94
PV1043	PV1101	76.84	DN150	3.70	0.24	8.60	0.61
PV1045	PV1046	66.87	DN150	1.44	1.39	24.63	0.73
PV1046	PV1048	64.69	DN150	2.54	1.70	23.64	0.95
PV1046	PV1100	78.72	DN150	3.12	0.30	9.89	0.61
PV1048	PV1049	65.86	DN150	2.19	1.71	24.63	0.90
PV1049	PV1051	66.04	DN150	2.59	2.08	25.98	1.02
PV1049	PV1099	79.18	DN150	2.68	0.36	11.15	0.61
PV1051	PV1052	67.93	DN150	2.52	2.10	26.26	1.01
PV1052	PV1054	76.73	DN150	2.66	2.43	27.84	1.08
PV1052	PV1098	74.18	DN150	2.90	0.33	10.43	0.61
PV1054	PV1056	60.66	DN150	2.16	2.76	31.22	1.04
PV1054	PV1097	73.90	DN150	2.96	0.33	10.38	0.61
PV1056	PV1057	62.46	DN150	2.86	2.78	29.21	1.15
PV1057	PV1059	56.60	DN150	1.22	3.20	38.79	0.88
PV1057	PV1096	75.48	DN150	2.40	0.42	12.28	0.61
PV1059	PV1060	63.65	DN150	2.79	3.22	31.59	1.19
PV1060	PV1062	58.98	DN150	2.76	3.70	33.96	1.23
PV1060	PV1095	69.52	DN150	2.04	0.48	13.56	0.60
PV1062	PV1063	58.35	DN150	5.30	3.72	28.97	1.55
PV1063	PV1069	97.90	DN350	0.25	95.52	289.31	1.12
PV1063	PV1094	78.09	DN350	0.25	99.25	304.37	1.12
PV1073	PV1074	60.06	DN150	2.53	0.42	12.09	0.62
PV1074	PV1076	73.43	DN150	2.19	0.75	16.52	0.71
PV1074	PV1124	76.88	DN150	2.98	0.33	10.36	0.61
PV1076	PV1077	73.43	DN150	1.87	0.77	17.35	0.67
PV1077	PV1079	67.73	DN150	2.58	1.07	18.87	0.83
PV1077	PV1123	76.07	DN150	3.16	0.30	9.86	0.61
PV1079	PV1080	64.68	DN150	2.80	1.09	18.65	0.86
PV1080	PV1082	70.90	DN150	2.85	1.37	20.76	0.93
PV1080	PV1122	72.96	DN150	3.39	0.28	9.33	0.61
PV1082	PV1083	69.27	DN150	3.41	1.39	20.00	0.99
PV1083	PV1085	71.33	DN150	2.92	1.72	23.02	1.00
PV1083	PV1121	73.74	DN150	2.98	0.33	10.34	0.61
PV1085	PV1087	64.86	DN150	3.15	2.05	24.61	1.08
PV1085	PV1120	69.51	DN150	2.91	0.33	10.40	0.61
PV1087	PV1088	60.60	DN150	3.86	2.07	23.50	1.17
PV1088	PV1090	59.34	DN150	1.35	2.73	34.91	0.87
PV1088	PV1119	62.43	DN150	1.68	0.66	16.55	0.62
PV1090	PV1091	61.31	DN150	1.97	2.75	31.85	1.00
PV1091	PV1092	56.13	DN150	5.02	2.75	25.33	1.40
PV1092	PV1093	60.39	DN150	4.93	2.77	25.51	1.39
PV1093	PV1094	74.80	DN350	0.25	99.26	304.42	1.12
PV1103	PV1104	62.18	DN150	3.00	0.36	10.82	0.63
PV1104	PV1106	71.19	DN150	1.85	0.54	14.77	0.61
PV1106	PV1107	71.19	DN150	2.08	0.56	14.58	0.64

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PV1107	PV1109	72.41	DN150	2.38	0.58	14.39	0.67
PV1109	PV1110	64.04	DN150	3.65	0.60	13.17	0.79
PV1110	PV1112	68.03	DN150	3.41	0.62	13.61	0.78
PV1112	PV1113	72.13	DN150	3.23	0.63	13.85	0.77
PV1113	PV1115	72.16	DN150	3.59	0.64	13.62	0.80
PV1115	PV1117	61.90	DN150	3.60	0.64	13.66	0.80
PV1117	PV1118	58.90	DN150	3.48	0.65	13.81	0.80
PV1118	PV1119	73.79	DN150	1.90	0.65	16.03	0.65

Indicam-se os mínimos dos valores absolutos.

### Envoltória de mínimos

Início	Final	Comprimento m	Diâmetros mm	Inclinação %	Vazão l/s	Profundidade mm	Velocidade m/s
ETE2	PS313	39.64	DN400	0.50	102.14	207.30	1.55
PS1	PV2	87.00	DN150	0.47	0.00	0.00	0.00
PS2	PV29	76.19	DN150	0.50	0.00	0.00	0.00
PS3	PV46	69.82	DN150	0.77	0.00	0.00	0.00
PS4	PV49	70.23	DN150	1.00	0.00	0.00	0.00
PS5	PV53	70.52	DN150	1.74	0.00	0.00	0.00
PS6	PV57	69.46	DN150	1.80	0.00	0.00	0.00
PS7	PV42	88.92	DN150	2.14	0.00	0.00	0.00
PS8	PV61	71.06	DN150	1.59	0.00	0.00	0.00
PS9	PV218	69.10	DN150	0.71	0.00	0.00	0.00
PS10	PV222	96.10	DN150	2.74	0.00	0.00	0.00
PS11	PV124	72.12	DN150	1.90	0.00	0.00	0.00
PS12	PV63	72.14	DN150	0.50	0.00	0.00	0.00
PS13	PV64	71.09	DN150	1.17	0.00	0.00	0.00
PS14	PV68	70.59	DN150	2.13	0.00	0.00	0.00
PS15	PV72	70.28	DN150	2.09	0.00	0.00	0.00
PS16	PV76	69.86	DN150	1.00	0.00	0.00	0.00
PS17	PV79	69.96	DN150	1.43	0.00	0.00	0.00
PS18	PV82	68.73	DN150	2.08	0.00	0.00	0.00
PS19	PV86	70.79	DN150	2.20	0.00	0.00	0.00
PS20	PV90	70.91	DN150	1.82	0.00	0.00	0.00
PS21	PV93	91.03	DN150	2.64	0.00	0.00	0.00
PS22	PV93	70.60	DN150	2.48	0.00	0.00	0.00
PS23	PV96	70.52	DN150	2.20	0.00	0.00	0.00
PS24	PV100	70.41	DN150	1.78	0.00	0.00	0.00
PS25	PV103	90.74	DN150	2.20	0.00	0.00	0.00
PS26	PV1153	105.32	DN150	1.97	0.00	0.00	0.00
PS27	PV109	56.95	DN150	6.09	0.00	0.00	0.00
PS28	PV112	62.39	DN150	0.98	0.00	0.00	0.00
PS29	PV114	85.86	DN150	1.51	0.00	0.00	0.00
PS30	PV131	66.16	DN150	5.14	0.00	0.00	0.00
PS31	PV133	74.08	DN150	0.26	0.00	0.00	0.00
PS32	PV8	65.43	DN150	0.47	0.00	0.00	0.00
PS33	PV1107	68.43	DN150	1.34	0.00	0.00	0.00
PS34	PV141	66.16	DN150	0.50	0.00	0.00	0.00
PS35	PV144	71.72	DN150	4.62	0.00	0.00	0.00
PS36	PV153	58.42	DN150	1.46	0.00	0.00	0.00
PS37	PV155	98.87	DN150	2.02	0.00	0.00	0.00
PS38	PV145	46.13	DN150	2.82	0.00	0.00	0.00
PS39	PV119	103.92	DN150	1.50	0.00	0.00	0.00
PS40	PV159	76.75	DN150	0.68	0.00	0.00	0.00

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PS41	PV162	79.51	DN150	0.40	0.00	0.00	0.00
PS42	PV176	72.13	DN150	2.52	0.00	0.00	0.00
PS43	PV171	91.08	DN150	0.93	0.00	0.00	0.00
PS44	PV178	73.04	DN150	1.00	0.00	0.00	0.00
PS45	PV183	85.67	DN150	1.10	0.00	0.00	0.00
PS46	PV186	68.87	DN150	0.48	0.00	0.00	0.00
PS47	PV186	70.25	DN150	1.50	0.00	0.00	0.00
PS48	PV195	65.49	DN150	0.90	0.00	0.00	0.00
PS49	PV189	98.41	DN150	1.20	0.00	0.00	0.00
PS50	PV189	85.11	DN150	1.81	0.00	0.00	0.00
PS51	PV199	58.21	DN150	1.32	0.00	0.00	0.00
PS52	PV928	23.00	DN150	1.91	0.00	0.00	0.00
PS53	PV204	65.82	DN150	0.50	0.00	0.00	0.00
PS54	PV214	96.49	DN150	0.41	0.00	0.00	0.00
PS55	PV376	70.24	DN150	0.47	0.00	0.00	0.00
PS56	PV379	64.54	DN150	0.50	0.00	0.00	0.00
PS57	PV382	72.01	DN150	0.70	0.00	0.00	0.00
PS58	PV385	67.61	DN150	0.98	0.00	0.00	0.00
PS59	PV388	67.52	DN150	1.10	0.00	0.00	0.00
PS60	PV391	68.90	DN150	1.02	0.00	0.00	0.00
PS61	PV394	71.05	DN150	0.70	0.00	0.00	0.00
PS62	PV398	68.74	DN150	0.60	0.00	0.00	0.00
PS63	PV401	68.22	DN150	1.66	0.00	0.00	0.00
PS64	PV404	68.12	DN150	2.06	0.00	0.00	0.00
PS65	PV407	67.92	DN150	2.37	0.00	0.00	0.00
PS66	PV370	69.02	DN150	2.06	0.00	0.00	0.00
PS67	PV331	72.02	DN150	0.47	0.00	0.00	0.00
PS68	PV335	67.98	DN150	0.50	0.00	0.00	0.00
PS69	PV339	67.57	DN150	0.50	0.00	0.00	0.00
PS70	PV344	75.82	DN150	0.50	0.00	0.00	0.00
PS71	PV348	68.96	DN150	0.50	0.00	0.00	0.00
PS72	PV352	69.59	DN150	0.56	0.00	0.00	0.00
PS73	PV356	69.40	DN150	0.69	0.00	0.00	0.00
PS74	PV360	68.77	DN150	0.77	0.00	0.00	0.00
PS75	PV364	69.94	DN150	0.73	0.00	0.00	0.00
PS76	PV368	67.23	DN150	1.10	0.00	0.00	0.00
PS77	PV372	70.22	DN150	1.54	0.00	0.00	0.00
PS78	PV374	70.60	DN150	1.14	0.00	0.00	0.00
PS79	PV298	81.11	DN150	0.47	0.00	0.00	0.00
PS80	PV301	77.88	DN150	0.70	0.00	0.00	0.00
PS81	PV304	74.45	DN150	0.80	0.00	0.00	0.00
PS82	PV307	90.26	DN150	1.00	0.00	0.00	0.00
PS83	PV310	69.04	DN150	0.90	0.00	0.00	0.00
PS84	PV313	71.85	DN150	0.85	0.00	0.00	0.00
PS85	PV316	70.12	DN150	1.07	0.00	0.00	0.00
PS86	PV319	71.33	DN150	1.28	0.00	0.00	0.00
PS87	PV322	71.10	DN150	1.14	0.00	0.00	0.00
PS88	PV325	70.89	DN150	1.16	0.00	0.00	0.00
PS89	PV328	67.22	DN150	1.01	0.00	0.00	0.00
PS90	PV632	80.54	DN150	3.48	0.00	0.00	0.00
PS91	PV265	73.10	DN150	1.67	0.00	0.00	0.00
PS92	PV277	74.89	DN150	2.95	0.00	0.00	0.00
PS93	PV280	73.44	DN150	2.31	0.00	0.00	0.00
PS94	PV283	66.90	DN150	2.69	0.00	0.00	0.00

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PS95	PV286	66.75	DN150	2.07	0.00	0.00	0.00
PS96	PV289	66.65	DN150	2.00	0.00	0.00	0.00
PS97	PV292	76.13	DN150	2.05	0.00	0.00	0.00
PS98	PV295	59.88	DN150	1.90	0.00	0.00	0.00
PS99	PV238	69.47	DN150	1.51	0.00	0.00	0.00
PS100	PV251	66.07	DN150	1.91	0.00	0.00	0.00
PS101	PV255	65.68	DN150	2.62	0.00	0.00	0.00
PS102	PV240	72.60	DN150	1.43	0.00	0.00	0.00
PS103	PV230	68.74	DN150	1.44	0.00	0.00	0.00
PS104	PV243	69.45	DN150	2.13	0.00	0.00	0.00
PS105	PV231	70.66	DN150	3.27	0.00	0.00	0.00
PS106	PV235	59.16	DN150	2.77	0.00	0.00	0.00
PS107	PV233	56.54	DN150	2.95	0.00	0.00	0.00
PS108	PV918	69.58	DN150	2.87	0.00	0.00	0.00
PS109	PV916	93.01	DN150	1.88	0.00	0.00	0.00
PS110	PV922	64.96	DN150	1.86	0.00	0.00	0.00
PS111	PV260	53.02	DN150	2.96	0.00	0.00	0.00
PS112	PV927	84.39	DN150	2.03	0.00	0.00	0.00
PS113	PV944	87.16	DN150	0.75	0.00	0.00	0.00
PS114	PV947	67.65	DN150	2.13	0.00	0.00	0.00
PS115	PV930	79.08	DN150	1.91	0.00	0.00	0.00
PS116	PV932	55.66	DN150	1.67	0.00	0.00	0.00
PS117	PV951	67.37	DN150	2.05	0.00	0.00	0.00
PS118	PV926	72.15	DN150	2.84	0.00	0.00	0.00
PS119	PV945	71.19	DN150	1.78	0.00	0.00	0.00
PS120	PV949	71.10	DN150	1.56	0.00	0.00	0.00
PS121	PV961	71.10	DN150	2.38	0.00	0.00	0.00
PS122	PV963	70.79	DN150	2.34	0.00	0.00	0.00
PS123	PV966	70.38	DN150	2.32	0.00	0.00	0.00
PS124	PV954	71.19	DN150	4.86	0.00	0.00	0.00
PS125	PV977	87.95	DN150	2.58	0.00	0.00	0.00
PS126	PV982	74.75	DN150	2.34	0.00	0.00	0.00
PS127	PV980	69.37	DN150	3.13	0.00	0.00	0.00
PS128	PV986	62.99	DN150	2.52	0.00	0.00	0.00
PS129	PV991	50.93	DN150	2.28	0.00	0.00	0.00
PS130	PV984	74.10	DN150	1.36	0.00	0.00	0.00
PS131	PV996	73.16	DN150	1.74	0.00	0.00	0.00
PS132	PV974	91.56	DN150	2.28	0.00	0.00	0.00
PS133	PV937	64.65	DN150	1.64	0.00	0.00	0.00
PS134	PV994	71.99	DN150	2.19	0.00	0.00	0.00
PS135	PV1002	74.90	DN150	0.63	0.00	0.00	0.00
PS136	PV734	66.82	DN150	1.93	0.00	0.00	0.00
PS137	PV737	70.11	DN150	1.03	0.00	0.00	0.00
PS138	PV631	70.87	DN150	1.64	0.00	0.00	0.00
PS139	PV730	71.60	DN150	1.65	0.00	0.00	0.00
PS140	PV724	69.65	DN150	2.20	0.00	0.00	0.00
PS141	PV628	69.89	DN150	2.00	0.00	0.00	0.00
PS142	PV625	68.99	DN150	2.46	0.00	0.00	0.00
PS143	PV713	69.93	DN150	2.47	0.00	0.00	0.00
PS144	PV622	69.43	DN150	2.66	0.00	0.00	0.00
PS145	PV701	69.95	DN150	2.44	0.00	0.00	0.00
PS146	PV443	73.50	DN150	0.72	0.00	0.00	0.00
PS147	PV469	72.44	DN150	0.65	0.00	0.00	0.00
PS148	PV471	71.88	DN150	0.50	0.00	0.00	0.00



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PS149	PV393	69.74	DN150	1.39	0.00	0.00	0.00
PS150	PV399	70.19	DN150	2.71	0.00	0.00	0.00
PS151	PV405	71.49	DN150	2.57	0.00	0.00	0.00
PS152	PV411	77.16	DN150	0.76	0.00	0.00	0.00
PS153	PV418	81.50	DN150	0.79	0.00	0.00	0.00
PS154	PV412	69.61	DN150	1.98	0.00	0.00	0.00
PS155	PV413	69.76	DN150	2.88	0.00	0.00	0.00
PS156	PV437	69.80	DN150	3.42	0.00	0.00	0.00
PS157	PV439	69.99	DN150	3.76	0.00	0.00	0.00
PS158	PV441	69.69	DN150	3.97	0.00	0.00	0.00
PS159	PV443	69.61	DN150	4.07	0.00	0.00	0.00
PS160	PV469	70.49	DN150	3.93	0.00	0.00	0.00
PS161	PV471	71.45	DN150	3.51	0.00	0.00	0.00
PS162	PV473	70.43	DN150	4.43	0.00	0.00	0.00
PS163	PV475	70.01	DN150	2.43	0.00	0.00	0.00
PS164	PV477	69.15	DN150	2.65	0.00	0.00	0.00
PS165	PV418	85.05	DN150	0.50	0.00	0.00	0.00
PS166	PV421	76.36	DN150	0.50	0.00	0.00	0.00
PS167	PV423	71.57	DN150	3.51	0.00	0.00	0.00
PS168	PV423	68.06	DN150	0.50	0.00	0.00	0.00
PS169	PV424	77.76	DN150	0.50	0.00	0.00	0.00
PS170	PV430	77.73	DN150	0.50	0.00	0.00	0.00
PS171	PV433	81.59	DN150	0.50	0.00	0.00	0.00
PS172	PV454	80.96	DN150	0.50	0.00	0.00	0.00
PS173	PV456	77.00	DN150	0.50	0.00	0.00	0.00
PS174	PV459	77.20	DN150	0.50	0.00	0.00	0.00
PS175	PV461	77.09	DN150	0.50	0.00	0.00	0.00
PS176	PV464	79.45	DN150	0.50	0.00	0.00	0.00
PS177	PV467	79.44	DN150	0.50	0.00	0.00	0.00
PS178	PV480	83.22	DN150	0.50	0.00	0.00	0.00
PS179	PV484	79.42	DN150	0.69	0.00	0.00	0.00
PS180	PV489	74.94	DN150	0.72	0.00	0.00	0.00
PS181	PV493	79.02	DN150	0.85	0.00	0.00	0.00
PS182	PV498	79.08	DN150	0.89	0.00	0.00	0.00
PS183	PV502	79.05	DN150	1.19	0.00	0.00	0.00
PS184	PV507	79.04	DN150	1.54	0.00	0.00	0.00
PS185	PV511	79.01	DN150	2.05	0.00	0.00	0.00
PS186	PV516	78.90	DN150	2.05	0.00	0.00	0.00
PS187	PV520	88.18	DN150	1.96	0.00	0.00	0.00
PS188	PV522	69.37	DN150	2.05	0.00	0.00	0.00
PS189	PV547	69.95	DN150	0.47	0.00	0.00	0.00
PS190	PV550	78.41	DN150	0.50	0.00	0.00	0.00
PS191	PV553	78.49	DN150	0.50	0.00	0.00	0.00
PS192	PV555	83.87	DN150	0.50	0.00	0.00	0.00
PS193	PV557	78.91	DN150	0.50	0.00	0.00	0.00
PS194	PV561	80.11	DN150	0.50	0.00	0.00	0.00
PS195	PV563	79.55	DN150	0.57	0.00	0.00	0.00
PS196	PV565	79.72	DN150	0.85	0.00	0.00	0.00
PS197	PV567	79.87	DN150	0.75	0.00	0.00	0.00
PS198	PV569	80.04	DN150	0.80	0.00	0.00	0.00
PS199	PV571	80.22	DN150	0.50	0.00	0.00	0.00
PS200	PV573	80.57	DN150	0.70	0.00	0.00	0.00
PS201	PV576	80.46	DN150	1.00	0.00	0.00	0.00
PS202	PV578	80.57	DN150	0.66	0.00	0.00	0.00

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PS203	PV580	80.66	DN150	0.55	0.00	0.00	0.00
PS204	PV585	83.19	DN150	0.47	0.00	0.00	0.00
PS205	PV585	101.68	DN150	0.74	0.00	0.00	0.00
PS206	PV598	89.48	DN150	1.48	0.00	0.00	0.00
PS207	PV595	81.72	DN150	1.88	0.00	0.00	0.00
PS208	PV596	67.48	DN150	3.17	0.00	0.00	0.00
PS209	PV597	50.95	DN150	4.00	0.00	0.00	0.00
PS210	PV619	71.05	DN150	2.46	0.00	0.00	0.00
PS211	PV695	70.63	DN150	2.41	0.00	0.00	0.00
PS212	PV615	68.51	DN150	2.26	0.00	0.00	0.00
PS213	PV690	68.92	DN150	2.55	0.00	0.00	0.00
PS214	PV693	69.56	DN150	2.85	0.00	0.00	0.00
PS215	PV611	70.94	DN150	2.44	0.00	0.00	0.00
PS216	PV673	72.09	DN150	2.72	0.00	0.00	0.00
PS217	PV676	72.91	DN150	4.81	0.00	0.00	0.00
PS218	PV607	89.95	DN150	2.18	0.00	0.00	0.00
PS219	PV661	90.65	DN150	2.46	0.00	0.00	0.00
PS220	PV679	73.58	DN150	3.03	0.00	0.00	0.00
PS221	PV682	51.52	DN150	3.36	0.00	0.00	0.00
PS222	PV683	60.34	DN150	0.47	0.00	0.00	0.00
PS223	PV689	39.55	DN150	6.68	0.00	0.00	0.00
PS224	PV707	70.47	DN150	2.78	0.00	0.00	0.00
PS225	PV720	69.90	DN150	3.03	0.00	0.00	0.00
PS226	PV800	68.79	DN150	3.01	0.00	0.00	0.00
PS227	PV812	62.42	DN150	2.21	0.00	0.00	0.00
PS228	PV774	64.03	DN150	4.00	0.00	0.00	0.00
PS229	PV777	48.09	DN150	1.46	0.00	0.00	0.00
PS230	PV722	84.13	DN150	1.52	0.00	0.00	0.00
PS231	PV816	56.05	DN150	0.50	0.00	0.00	0.00
PS232	PV815	68.76	DN150	5.38	0.00	0.00	0.00
PS233	PV824	43.72	DN150	3.36	0.00	0.00	0.00
PS234	PV829	61.90	DN150	1.20	0.00	0.00	0.00
PS235	PV830	68.29	DN150	3.75	0.00	0.00	0.00
PS236	PV772	55.16	DN150	6.82	0.00	0.00	0.00
PS237	PV783	63.39	DN150	4.10	0.00	0.00	0.00
PS238	PV787	65.73	DN150	2.40	0.00	0.00	0.00
PS239	PV789	54.41	DN150	1.08	0.00	0.00	0.00
PS240	PV791	62.04	DN150	3.98	0.00	0.00	0.00
PS241	PV664	90.95	DN150	3.08	0.00	0.00	0.00
PS242	PV658	57.29	DN150	3.37	0.00	0.00	0.00
PS243	PV660	57.09	DN150	5.17	0.00	0.00	0.00
PS244	PV745	64.40	DN150	2.38	0.00	0.00	0.00
PS245	PV749	61.31	DN150	2.95	0.00	0.00	0.00
PS246	PV753	55.98	DN150	3.36	0.00	0.00	0.00
PS247	PV756	58.67	DN150	2.80	0.00	0.00	0.00
PS248	PV759	61.39	DN150	1.92	0.00	0.00	0.00
PS249	PV760	72.00	DN150	1.68	0.00	0.00	0.00
PS250	PV767	85.04	DN150	1.09	0.00	0.00	0.00
PS251	PV761	96.77	DN150	1.37	0.00	0.00	0.00
PS252	PV795	70.55	DN150	1.29	0.00	0.00	0.00
PS253	PV841	79.20	DN150	1.64	0.00	0.00	0.00
PS254	PV914	31.20	DN150	0.83	0.00	0.00	0.00
PS255	PV912	67.91	DN150	1.90	0.00	0.00	0.00
PS256	PV911	62.82	DN150	1.75	0.00	0.00	0.00

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PS257	PV910	64.67	DN150	1.72	0.00	0.00	0.00
PS258	PV909	63.91	DN150	1.52	0.00	0.00	0.00
PS259	PV908	64.84	DN150	1.94	0.00	0.00	0.00
PS260	PV873	60.31	DN150	3.73	0.00	0.00	0.00
PS261	PV870	61.79	DN150	2.90	0.00	0.00	0.00
PS262	PV642	62.32	DN150	2.76	0.00	0.00	0.00
PS263	PV866	63.75	DN150	3.29	0.00	0.00	0.00
PS264	PV639	62.63	DN150	3.34	0.00	0.00	0.00
PS265	PV863	62.31	DN150	3.31	0.00	0.00	0.00
PS266	PV637	61.80	DN150	3.45	0.00	0.00	0.00
PS267	PV859	62.89	DN150	3.24	0.00	0.00	0.00
PS268	PV635	62.59	DN150	2.88	0.00	0.00	0.00
PS269	PV857	63.55	DN150	3.81	0.00	0.00	0.00
PS270	PV874	70.59	DN150	2.31	0.00	0.00	0.00
PS271	PV1007	71.44	DN150	1.69	0.00	0.00	0.00
PS272	PV1010	71.63	DN150	2.26	0.00	0.00	0.00
PS273	PV876	70.16	DN150	2.55	0.00	0.00	0.00
PS274	PV879	69.75	DN150	3.15	0.00	0.00	0.00
PS275	PV1013	72.09	DN150	2.83	0.00	0.00	0.00
PS276	PV882	68.33	DN150	2.85	0.00	0.00	0.00
PS277	PV1016	71.14	DN150	2.76	0.00	0.00	0.00
PS278	PV1020	71.17	DN150	2.96	0.00	0.00	0.00
PS279	PV886	69.87	DN150	3.35	0.00	0.00	0.00
PS280	PV1023	71.75	DN150	2.31	0.00	0.00	0.00
PS281	PV889	70.91	DN150	3.13	0.00	0.00	0.00
PS282	PV1026	72.17	DN150	3.53	0.00	0.00	0.00
PS283	PV1064	66.35	DN150	2.35	0.00	0.00	0.00
PS284	PV1065	71.15	DN150	1.24	0.00	0.00	0.00
PS285	PV1066	72.15	DN150	1.00	0.00	0.00	0.00
PS286	PV1067	74.53	DN150	0.46	0.00	0.00	0.00
PS287	PV1068	77.16	DN150	0.50	0.00	0.00	0.00
PS288	PV1072	80.86	DN150	2.42	0.00	0.00	0.00
PS289	PV1101	76.84	DN150	2.34	0.00	0.00	0.00
PS290	PV1100	72.93	DN150	2.82	0.00	0.00	0.00
PS291	PV1099	80.61	DN150	2.38	0.00	0.00	0.00
PS292	PV1098	83.08	DN150	1.49	0.00	0.00	0.00
PS293	PV1097	80.78	DN150	1.44	0.00	0.00	0.00
PS294	PV1096	74.11	DN150	1.05	0.00	0.00	0.00
PS295	PV1095	80.53	DN150	1.40	0.00	0.00	0.00
PS296	PV1103	62.18	DN150	1.82	0.00	0.00	0.00
PS297	PV1104	66.27	DN150	1.13	0.00	0.00	0.00
PS298	PV1124	71.88	DN150	1.92	0.00	0.00	0.00
PS299	PV1123	71.06	DN150	2.04	0.00	0.00	0.00
PS300	PV1122	67.14	DN150	1.83	0.00	0.00	0.00
PS301	PV1110	69.20	DN150	1.55	0.00	0.00	0.00
PS302	PV1121	63.12	DN150	1.95	0.00	0.00	0.00
PS303	PV1113	84.77	DN150	0.53	0.00	0.00	0.00
PS304	PV1120	64.42	DN150	1.40	0.00	0.00	0.00
PS305	PV188	75.84	DN150	2.62	0.00	0.00	0.00
PS306	PV1126	81.02	DN150	3.13	0.00	0.00	0.00
PS307	PV105	69.95	DN150	2.26	0.00	0.00	0.00
PS308	PV1073	62.06	DN150	2.22	0.00	0.00	0.00
PS309	PV1029	62.08	DN150	0.81	0.00	0.00	0.00
PS310	PS311	123.18	DN400	1.01	102.07	169.52	2.01

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PS310	PV845	113.20	DN400	0.50	102.05	207.75	1.55
PS311	PS312	122.63	DN400	3.91	102.10	118.34	3.28
PS312	PS313	92.01	DN400	6.27	102.12	104.92	3.89
PV1	PV180	73.08	DN200	0.20	15.39	136.17	0.68
PV1	PV187	64.44	DN150	2.17	0.48	13.35	0.62
PV1	PV193	75.15	DN200	0.20	15.88	139.40	0.68
PV2	PV3	87.01	DN150	1.45	0.76	18.42	0.62
PV3	PV188	84.37	DN150	1.10	1.06	23.07	0.62
PV4	PV354	71.47	DN150	3.25	2.42	26.48	1.15
PV4	PV362	76.87	DN150	3.14	2.87	29.03	1.20
PV4	PV398	73.71	DN150	2.32	0.41	12.29	0.60
PV5	PV6	71.03	DN150	1.68	0.67	16.69	0.62
PV5	PVT3	55.98	DN150	0.50	0.00	0.00	0.00
PV6	PV7	75.88	DN150	1.25	0.91	20.73	0.62
PV7	PV9	50.58	DN150	0.94	1.26	26.08	0.61
PV8	PV143	74.09	DN150	2.40	0.41	12.19	0.61
PV9	PV11	108.53	DN150	0.93	1.41	27.56	0.63
PV10	PV188	80.66	DN150	1.10	1.08	23.20	0.62
PV10	PV1126	79.67	DN150	1.10	1.08	23.26	0.62
PV11	PV14	80.20	DN150	0.89	1.44	28.20	0.62
PV13	PV21	105.51	DN150	1.10	1.11	23.59	0.63
PV13	PV1126	103.90	DN150	1.10	1.09	23.39	0.62
PV14	PV15	88.43	DN150	0.87	1.46	28.49	0.62
PV15	PV16	71.11	DN150	1.79	1.47	24.05	0.81
PV16	PV17	65.36	DN150	2.34	1.48	22.56	0.89
PV17	PV18	54.05	DN150	3.44	1.50	20.66	1.02
PV18	PV19	55.37	DN150	3.36	1.51	20.89	1.01
PV19	PV20	42.90	DN150	2.91	1.52	21.65	0.97
PV20	PV27	101.54	DN150	2.86	1.53	21.85	0.96
PV21	PV22	80.69	DN150	2.34	1.13	19.82	0.82
PV22	PV23	87.83	DN150	2.63	1.14	19.32	0.85
PV23	PV24	80.32	DN150	2.96	1.14	18.83	0.89
PV24	PV25	77.45	DN150	2.58	1.15	19.51	0.85
PV25	PV26	80.32	DN150	2.71	1.17	19.43	0.87
PV26	PV1153	94.95	DN150	1.00	1.19	24.92	0.62
PV27	PV1153	111.24	DN150	2.44	1.55	22.85	0.91
PV29	PV30	77.80	DN150	1.39	0.82	19.27	0.62
PV30	PV31	65.50	DN150	1.00	1.12	24.22	0.61
PV31	PV32	73.93	DN150	0.97	1.36	26.78	0.64
PV32	PV35	73.39	DN150	0.90	1.49	28.60	0.64
PV35	PV36	74.18	DN150	0.74	1.63	31.29	0.61
PV36	PV37	73.91	DN150	0.72	1.76	32.82	0.62
PV37	PV39	62.80	DN150	1.82	1.78	26.23	0.86
PV39	PV40	67.34	DN150	1.98	1.79	25.81	0.88
PV40	PV41	84.34	DN150	1.93	1.80	25.98	0.88
PV41	PV42	57.46	DN150	2.23	1.82	25.22	0.93
PV42	PV43	77.42	DN150	3.38	1.84	22.92	1.08
PV43	PV44	84.39	DN150	2.16	1.84	25.61	0.92
PV44	PV45	63.50	DN150	2.04	1.86	26.09	0.90
PV45	PV122	68.52	DN150	1.07	1.88	30.73	0.72
PV46	PV47	77.03	DN150	1.50	0.71	17.57	0.61
PV47	PV48	67.43	DN150	1.20	0.94	21.33	0.61
PV48	PV49	72.38	DN150	1.10	1.05	22.98	0.62
PV49	PV51	73.39	DN150	1.00	1.17	24.74	0.61

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PV51	PV52	73.23	DN150	1.17	1.28	24.88	0.67
PV52	PV53	72.96	DN150	1.37	1.39	24.93	0.72
PV53	PV55	64.22	DN150	1.62	1.41	24.12	0.77
PV55	PV56	87.15	DN150	1.73	1.43	23.87	0.79
PV56	PV57	64.66	DN150	2.00	1.44	23.10	0.83
PV57	PV59	78.90	DN150	1.96	1.46	23.37	0.83
PV59	PV60	72.59	DN150	2.37	1.48	22.45	0.89
PV60	PV61	67.94	DN150	3.02	1.48	21.22	0.97
PV61	PV62	61.88	DN150	2.55	1.50	22.25	0.92
PV62	PV124	70.50	DN150	1.40	1.52	25.87	0.75
PV63	PV64	67.24	DN150	1.71	0.71	17.03	0.64
PV64	PV66	73.39	DN150	1.42	0.89	19.93	0.64
PV66	PV67	73.23	DN150	1.67	0.95	19.81	0.69
PV67	PV68	71.07	DN150	1.80	0.97	19.61	0.71
PV68	PV70	78.30	DN150	1.86	0.99	19.66	0.73
PV70	PV71	67.61	DN150	2.19	1.01	19.08	0.77
PV71	PV72	71.69	DN150	2.30	1.02	18.90	0.79
PV72	PV74	77.92	DN150	2.27	1.04	19.16	0.79
PV74	PV75	72.59	DN150	2.34	1.06	19.17	0.80
PV75	PV76	69.07	DN150	2.69	1.06	18.58	0.84
PV76	PV77	88.51	DN150	1.97	1.08	20.24	0.76
PV77	PV78	89.98	DN150	2.35	1.10	19.56	0.81
PV78	PV92	78.94	DN150	0.60	2.67	42.44	0.65
PV78	PV124	90.83	DN150	2.51	1.54	22.62	0.92
PV79	PV80	73.40	DN150	1.74	0.71	16.95	0.64
PV80	PV81	73.23	DN150	1.73	0.83	18.32	0.67
PV81	PV82	70.55	DN150	2.01	0.89	18.32	0.72
PV82	PV84	73.92	DN150	2.22	0.91	18.11	0.75
PV84	PV85	71.61	DN150	2.19	0.93	18.32	0.75
PV85	PV86	72.24	DN150	2.09	0.94	18.59	0.74
PV86	PV88	77.41	DN150	2.09	0.96	18.79	0.75
PV88	PV89	72.59	DN150	2.25	0.98	18.64	0.77
PV89	PV90	69.74	DN150	2.60	0.98	18.05	0.81
PV90	PV91	73.54	DN150	1.93	1.00	19.59	0.74
PV91	PV92	75.87	DN150	2.12	1.02	19.31	0.77
PV92	PV102	80.60	DN150	0.91	3.71	45.15	0.83
PV93	PV94	77.03	DN150	2.01	0.71	16.46	0.68
PV94	PV95	72.48	DN150	2.14	0.83	17.50	0.72
PV95	PV96	68.85	DN150	2.06	0.84	17.70	0.72
PV96	PV98	76.83	DN150	2.06	0.96	18.84	0.74
PV98	PV99	72.59	DN150	2.26	0.97	18.58	0.77
PV99	PV100	70.48	DN150	2.18	0.98	18.78	0.77
PV100	PV101	56.39	DN150	2.25	1.00	18.85	0.78
PV101	PV102	63.38	DN150	1.96	1.02	19.65	0.74
PV102	PV112	67.06	DN150	2.59	0.38	11.47	0.61
PV102	PV120	63.13	DN150	1.06	5.14	51.31	0.96
PV103	PV105	85.74	DN150	2.25	0.59	14.65	0.66
PV105	PV107	95.18	DN150	2.16	0.71	16.11	0.69
PV107	PV108	102.71	DN150	2.12	0.82	17.37	0.72
PV108	PV109	25.31	DN150	1.58	3.72	39.19	1.01
PV108	PV111	72.01	DN150	1.26	2.88	36.42	0.87
PV109	PV116	91.83	DN150	2.86	3.74	33.83	1.25
PV110	PV111	79.08	DN150	1.15	2.87	37.25	0.84
PV110	PV1153	75.06	DN150	0.45	2.87	47.23	0.60

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PV114	PV115	85.62	DN150	1.90	0.82	17.87	0.69
PV115	PV116	78.15	DN150	1.78	1.06	20.54	0.73
PV116	PV117	13.14	DN150	2.28	4.81	40.69	1.24
PV117	PV118	63.61	DN150	1.45	9.98	67.73	1.29
PV117	PV121	72.36	DN150	0.65	5.16	58.64	0.81
PV118	PV119	39.48	DN150	1.44	9.98	67.78	1.29
PV119	PV160	70.98	DN150	2.90	9.99	55.95	1.66
PV120	PV121	57.67	DN150	1.11	5.15	50.79	0.98
PV122	PV224	54.11	DN150	2.90	0.67	14.63	0.75
PV122	PV225	114.25	DN150	0.61	2.57	41.30	0.65
PV131	PV132	71.70	DN150	1.20	1.25	24.40	0.67
PV131	PV135	69.28	DN150	1.20	0.94	21.33	0.61
PV132	PV139	41.11	DN150	1.00	1.26	25.68	0.63
PV133	PV135	74.09	DN150	1.74	0.71	16.95	0.64
PV139	PV140	70.65	DN150	0.99	1.28	25.89	0.63
PV140	PV146	72.13	DN150	1.00	1.40	27.01	0.65
PV141	PV142	74.09	DN150	1.80	0.59	15.43	0.61
PV142	PV145	77.79	DN150	1.52	0.77	18.24	0.63
PV143	PV144	77.90	DN150	1.00	0.71	19.44	0.60
PV144	PV145	40.73	DN150	2.18	0.72	16.24	0.70
PV145	PV148	70.93	DN150	0.85	1.50	29.09	0.62
PV146	PV147	74.08	DN150	0.88	1.42	28.05	0.62
PV147	PV148	75.82	DN150	0.87	1.43	28.27	0.62
PV148	PV149	95.06	DN150	0.96	2.95	39.51	0.79
PV149	PV150	108.77	DN150	1.34	2.96	36.36	0.89
PV150	PV151	89.74	DN150	1.83	2.96	33.69	1.00
PV151	PV155	37.60	DN150	0.47	0.57	21.03	0.60
PV151	PV166	50.16	DN150	0.26	3.55	61.44	0.60
PV153	PV154	84.20	DN150	0.47	0.53	20.23	0.60
PV154	PV155	99.78	DN150	0.47	0.55	20.56	0.60
PV159	PV160	81.64	DN150	2.13	0.47	13.35	0.61
PV160	PV161	84.43	DN150	2.47	10.48	59.98	1.59
PV161	PV162	79.51	DN150	2.78	0.36	10.97	0.61
PV161	PV164	72.06	DN150	0.96	10.84	80.24	1.13
PV164	PV165	79.07	DN150	1.20	10.85	75.00	1.23
PV165	PV166	57.56	DN150	1.06	10.86	77.87	1.17
PV166	PV167	66.35	DN200	0.20	14.41	129.92	0.67
PV167	PV168	63.77	DN200	0.20	14.43	130.03	0.67
PV168	PV169	51.22	DN200	0.20	14.44	130.08	0.67
PV169	PV178	97.42	DN150	2.83	0.45	12.26	0.67
PV169	PV179	63.71	DN200	0.20	14.90	133.04	0.67
PV171	PV172	102.34	DN150	2.50	0.42	12.10	0.62
PV172	PV173	90.35	DN150	2.50	0.43	12.36	0.63
PV173	PV181	71.88	DN150	2.50	0.45	12.60	0.64
PV176	PV177	83.16	DN150	2.50	0.41	12.08	0.62
PV177	PV178	74.74	DN150	2.64	0.43	12.17	0.64
PV179	PV180	31.88	DN200	0.20	14.91	133.08	0.67
PV180	PV181	59.24	DN150	2.28	0.47	13.11	0.62
PV183	PV184	74.68	DN150	2.60	0.41	11.98	0.63
PV184	PV186	82.78	DN150	2.83	0.43	11.97	0.65
PV186	PV187	66.33	DN150	2.28	0.46	12.98	0.62
PV189	PV190	64.84	DN150	1.73	0.59	15.63	0.61
PV189	PV197	27.98	DN150	3.54	0.51	12.24	0.74
PV190	PV191	59.07	DN150	1.74	0.61	15.80	0.61

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PV191	PV192	68.28	DN150	2.05	0.62	15.39	0.65
PV192	PV193	62.30	DN150	2.07	0.64	15.55	0.66
PV193	PV202	26.51	DN200	0.20	16.53	143.85	0.68
PV195	PV196	86.36	DN150	2.20	0.47	13.24	0.62
PV196	PV197	63.20	DN150	2.20	0.49	13.48	0.62
PV198	PV199	80.53	DN150	3.73	0.35	10.16	0.68
PV199	PV201	63.00	DN150	2.54	0.37	11.44	0.60
PV201	PV202	62.99	DN150	2.33	0.44	12.57	0.61
PV202	PV203	71.99	DN200	0.20	16.97	146.96	0.69
PV203	PV205	73.32	DN150	2.77	0.37	11.19	0.62
PV203	PV207	79.65	DN200	0.20	17.35	149.75	0.69
PV204	PV205	51.59	DN150	2.81	0.35	10.93	0.62
PV207	PV208	89.64	DN200	0.20	17.36	149.81	0.69
PV208	PV209	82.22	DN200	0.20	17.37	149.88	0.69
PV209	PV210	29.68	DN200	0.20	17.38	149.96	0.69
PV210	PV211	63.56	DN200	0.20	17.38	149.96	0.69
PV211	PV212	63.42	DN200	0.20	17.39	150.01	0.69
PV212	PV213	12.06	DN200	0.20	17.40	150.07	0.69
PV213	PV933	91.71	DN150	0.80	1.60	30.44	0.62
PV213	PV934	77.23	DN250	0.20	20.91	140.27	0.74
PV213	PV955	31.40	DN150	1.40	1.91	28.93	0.80
PV214	PV215	97.65	DN150	1.60	0.47	14.32	0.60
PV215	PV931	71.81	DN150	1.20	1.02	22.11	0.63
PV215	PV932	29.94	DN150	0.90	1.51	28.81	0.64
PV218	PV220	92.92	DN150	4.08	0.24	8.30	0.62
PV220	PV223	103.34	DN150	2.50	0.39	11.68	0.61
PV222	PV223	93.15	DN150	4.02	0.24	8.37	0.62
PV223	PV224	53.28	DN150	2.30	0.65	15.29	0.69
PV225	PV226	70.45	DN150	0.98	2.96	39.37	0.80
PV225	PV233	73.63	DN150	2.90	0.36	10.94	0.63
PV226	PV227	55.80	DN150	1.16	2.97	37.83	0.85
PV227	PV228	85.19	DN150	1.98	3.61	36.43	1.09
PV227	PV237	61.21	DN150	2.24	0.61	14.94	0.67
PV228	PV263	104.36	DN150	2.05	3.62	36.22	1.10
PV230	PV240	132.19	DN150	1.82	0.59	15.39	0.62
PV230	PV241	75.12	DN150	2.02	0.62	15.33	0.65
PV231	PV232	127.66	DN150	3.00	0.32	10.25	0.61
PV232	PV233	54.41	DN150	3.42	0.34	10.24	0.65
PV235	PV236	89.06	DN150	2.19	0.59	14.72	0.66
PV236	PV237	89.76	DN150	2.38	0.59	14.50	0.68
PV238	PV250	61.71	DN150	1.99	0.59	15.06	0.64
PV241	PV242	73.11	DN150	1.50	0.68	17.25	0.60
PV242	PV243	74.81	DN150	2.35	0.68	15.56	0.71
PV243	PV245	89.54	DN150	2.87	0.71	15.07	0.76
PV245	PV246	89.92	DN150	2.27	0.71	16.01	0.71
PV246	PV247	49.66	DN150	1.61	0.73	17.59	0.63
PV247	PV261	97.71	DN150	2.27	0.75	16.37	0.72
PV248	PV266	74.16	DN150	1.87	0.58	15.22	0.62
PV248	PV267	71.98	DN150	1.99	0.60	15.22	0.64
PV250	PV251	81.89	DN150	1.50	0.70	17.48	0.61
PV251	PV253	75.74	DN150	1.72	0.72	17.19	0.64
PV253	PV254	73.11	DN150	1.76	0.74	17.28	0.65
PV254	PV255	74.81	DN150	1.74	0.74	17.40	0.65
PV255	PV257	89.79	DN150	2.45	0.77	16.26	0.74

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PV257	PV258	89.89	DN150	2.04	0.77	17.06	0.70
PV258	PV259	52.11	DN150	2.15	5.15	42.77	1.24
PV258	PV275	71.55	DN150	2.43	4.37	38.10	1.24
PV259	PV260	98.33	DN150	2.23	5.15	42.40	1.26
PV260	PV924	104.63	DN150	2.29	5.18	42.18	1.27
PV261	PV262	98.25	DN150	2.10	0.76	16.76	0.70
PV262	PV263	76.19	DN150	1.61	0.77	18.06	0.64
PV263	PV958	73.76	DN150	2.14	4.42	39.61	1.19
PV265	PV266	81.85	DN150	2.47	0.47	12.89	0.64
PV267	PV268	85.10	DN150	1.32	1.21	23.49	0.68
PV267	PV278	71.67	DN150	1.95	0.58	15.07	0.63
PV268	PV270	69.39	DN150	0.99	1.81	30.71	0.70
PV268	PV281	74.23	DN150	3.17	0.58	13.44	0.75
PV270	PV271	69.75	DN150	1.61	2.42	31.46	0.90
PV270	PV284	80.18	DN150	2.25	0.58	14.57	0.66
PV271	PV272	82.70	DN150	1.54	3.01	35.49	0.94
PV271	PV287	73.58	DN150	3.03	0.58	13.57	0.73
PV272	PV274	92.46	DN150	2.64	3.50	33.42	1.19
PV272	PV290	65.58	DN150	2.26	0.47	13.09	0.62
PV274	PV275	87.56	DN150	2.76	3.51	33.07	1.21
PV275	PV296	78.03	DN150	1.85	0.85	18.24	0.69
PV277	PV278	81.50	DN150	2.40	0.47	12.98	0.64
PV280	PV281	81.52	DN150	2.45	0.47	12.91	0.64
PV283	PV284	77.53	DN150	2.32	0.47	13.08	0.63
PV286	PV287	77.52	DN150	2.30	0.47	13.11	0.63
PV289	PV290	77.53	DN150	2.73	0.35	11.00	0.61
PV292	PV293	83.91	DN150	3.04	0.32	10.23	0.61
PV293	PV296	107.18	DN150	1.77	0.56	15.13	0.60
PV295	PV296	54.94	DN150	3.70	0.26	8.87	0.62
PV298	PV299	76.01	DN150	2.30	0.41	12.33	0.60
PV299	PV302	73.05	DN150	0.94	1.30	26.38	0.62
PV301	PV302	73.58	DN150	2.32	0.41	12.29	0.60
PV302	PV305	76.74	DN150	0.90	1.73	30.78	0.66
PV304	PV305	70.89	DN150	2.36	0.41	12.25	0.61
PV305	PV308	77.31	DN150	0.96	2.17	33.89	0.72
PV307	PV308	55.93	DN150	2.36	0.42	12.27	0.61
PV308	PV311	67.12	DN150	1.61	2.61	32.63	0.92
PV310	PV311	77.05	DN150	2.48	0.41	12.10	0.62
PV311	PV314	82.09	DN150	2.11	3.03	32.89	1.06
PV313	PV314	76.85	DN150	2.49	0.41	12.09	0.62
PV314	PV317	74.87	DN150	3.13	3.46	31.83	1.26
PV316	PV317	77.86	DN150	2.65	0.36	11.09	0.60
PV317	PV320	88.51	DN150	3.10	3.82	33.55	1.30
PV319	PV320	77.39	DN150	2.86	0.36	10.89	0.62
PV320	PV323	59.03	DN150	3.66	4.19	33.69	1.41
PV322	PV323	76.10	DN150	2.77	0.36	10.97	0.61
PV323	PV326	76.69	DN150	3.42	4.56	35.74	1.41
PV325	PV326	75.85	DN150	2.79	0.36	10.95	0.61
PV326	PV329	78.16	DN150	2.90	4.92	38.71	1.36
PV328	PV329	78.57	DN150	2.99	0.36	10.77	0.63
PV329	PV633	90.08	DN150	2.27	5.29	42.78	1.27
PV330	PV331	76.11	DN150	2.30	0.41	12.32	0.60
PV330	PV334	74.75	DN150	1.08	1.12	23.75	0.62
PV333	PV337	73.62	DN150	0.76	0.58	18.88	0.60



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PV334	PV335	80.15	DN150	2.25	0.44	12.71	0.61
PV334	PV338	75.90	DN150	1.00	1.67	29.48	0.68
PV337	PV341	76.21	DN150	2.00	0.69	16.28	0.67
PV338	PV339	80.55	DN150	2.27	0.44	12.67	0.61
PV338	PV343	81.31	DN150	0.61	2.23	38.38	0.62
PV341	PV345	82.21	DN150	1.39	0.80	19.07	0.62
PV343	PV346	63.68	DN150	0.83	2.34	36.44	0.70
PV344	PV345	69.71	DN150	1.78	0.59	15.48	0.61
PV345	PV349	61.37	DN150	1.74	1.51	24.47	0.80
PV346	PV350	79.15	DN150	1.10	2.37	34.19	0.78
PV348	PV349	77.22	DN150	2.03	0.52	14.11	0.62
PV349	PV353	82.20	DN150	1.87	2.04	27.84	0.90
PV350	PV354	75.02	DN150	1.83	2.39	30.33	0.94
PV352	PV353	74.64	DN150	2.26	0.44	12.68	0.61
PV353	PV357	74.32	DN150	2.49	2.49	28.63	1.06
PV356	PV357	74.86	DN150	2.38	0.41	12.22	0.61
PV357	PV361	71.81	DN150	2.90	2.91	29.80	1.17
PV360	PV361	75.82	DN150	2.30	0.41	12.31	0.60
PV361	PV365	76.70	DN150	2.75	3.34	32.29	1.19
PV362	PV366	75.34	DN150	2.85	3.30	31.81	1.21
PV362	PV401	73.98	DN150	2.73	0.39	11.50	0.63
PV364	PV365	74.92	DN150	2.28	0.44	12.66	0.61
PV365	PV369	75.39	DN150	3.12	3.79	33.32	1.29
PV366	PV370	76.81	DN150	2.63	3.63	34.04	1.20
PV366	PV404	73.88	DN150	3.65	0.30	9.44	0.64
PV368	PV369	77.95	DN150	2.48	0.41	12.10	0.62
PV369	PV374	78.05	DN150	2.80	4.21	36.12	1.28
PV370	PV624	87.63	DN150	2.27	3.66	35.48	1.15
PV372	PV627	86.69	DN150	3.50	0.27	9.18	0.61
PV374	PV630	93.46	DN150	2.72	4.22	36.43	1.27
PV376	PV377	69.23	DN150	2.30	0.41	12.31	0.60
PV377	PV380	75.36	DN150	1.36	0.77	18.73	0.60
PV379	PV380	75.42	DN150	2.41	0.41	12.17	0.61
PV380	PV383	75.00	DN150	1.04	1.20	24.89	0.63
PV382	PV383	68.46	DN150	2.52	0.44	12.37	0.63
PV383	PV386	81.71	DN150	0.82	1.66	30.88	0.63
PV385	PV386	73.44	DN150	2.81	0.38	11.27	0.63
PV386	PV387	68.94	DN150	1.00	2.07	32.72	0.73
PV387	PV388	72.18	DN150	2.96	0.32	10.28	0.61
PV387	PV390	72.29	DN150	1.80	2.41	30.53	0.93
PV390	PV391	73.97	DN150	2.85	0.32	10.37	0.60
PV390	PV393	75.73	DN150	1.73	2.75	32.93	0.96
PV393	PV394	71.60	DN150	2.44	0.41	12.14	0.61
PV393	PV396	70.70	DN150	1.77	3.18	35.21	1.01
PV396	PV399	77.47	DN150	1.78	3.20	35.24	1.01
PV399	PV402	75.34	DN150	1.59	3.21	36.30	0.97
PV402	PV405	75.56	DN150	1.44	3.23	37.32	0.94
PV405	PV618	88.39	DN150	1.56	3.24	36.65	0.97
PV407	PV621	88.70	DN150	3.00	0.36	10.76	0.63
PV411	PV412	75.60	DN150	2.29	0.41	12.34	0.60
PV412	PV414	73.84	DN150	1.00	1.18	24.88	0.62
PV413	PV414	72.16	DN150	0.92	1.29	26.52	0.61
PV413	PV415	75.52	DN150	0.85	1.41	28.20	0.61
PV415	PV437	75.95	DN150	0.80	1.52	29.71	0.61

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PV418	PV420	73.55	DN150	3.07	0.30	9.95	0.61
PV420	PV421	83.08	DN150	2.18	0.45	12.97	0.60
PV420	PV426	72.58	DN150	0.94	1.52	28.60	0.65
PV423	PV424	87.74	DN150	2.04	0.55	14.55	0.63
PV423	PV428	75.63	DN150	0.86	1.31	27.09	0.60
PV426	PV431	75.35	DN150	0.90	1.63	29.88	0.65
PV428	PV430	86.59	DN150	2.26	0.44	12.69	0.61
PV428	PV432	75.24	DN150	0.70	1.77	33.04	0.61
PV431	PV435	76.08	DN150	0.78	1.87	33.20	0.64
PV432	PV433	82.67	DN150	2.52	0.39	11.74	0.61
PV432	PV453	73.74	DN150	0.60	2.18	38.23	0.61
PV435	PV444	74.03	DN150	0.68	2.17	37.00	0.64
PV437	PV438	74.05	DN150	0.80	1.64	30.81	0.63
PV438	PV439	76.42	DN150	0.75	1.75	32.33	0.62
PV439	PV440	76.47	DN150	0.61	2.05	36.81	0.61
PV440	PV441	75.59	DN150	0.70	2.29	37.66	0.66
PV441	PV442	72.89	DN150	0.70	2.40	38.61	0.67
PV442	PV443	75.30	DN150	0.70	2.51	39.50	0.68
PV443	PV468	76.49	DN150	0.70	2.64	40.46	0.69
PV444	PV445	75.46	DN150	0.70	2.28	37.60	0.66
PV445	PV447	74.95	DN150	0.60	2.79	43.31	0.66
PV445	PV456	87.01	DN150	2.53	0.39	11.72	0.61
PV447	PV448	75.41	DN150	0.58	3.30	47.57	0.68
PV447	PV459	87.17	DN150	2.60	0.39	11.64	0.62
PV448	PV450	75.41	DN150	0.56	3.68	50.99	0.69
PV448	PV461	87.24	DN150	2.74	0.36	11.00	0.61
PV450	PV451	75.08	DN150	0.71	4.03	50.29	0.78
PV450	PV464	84.71	DN150	2.90	0.33	10.52	0.61
PV451	PV467	84.48	DN150	3.07	0.33	10.38	0.62
PV451	PV481	76.99	DN150	0.53	4.39	56.71	0.72
PV453	PV454	83.15	DN150	2.34	0.41	12.28	0.61
PV453	PV455	74.28	DN150	0.51	2.62	43.70	0.61
PV455	PV457	76.46	DN150	0.56	2.64	42.80	0.63
PV457	PV460	75.32	DN150	0.72	2.65	40.36	0.69
PV460	PV462	75.41	DN150	0.62	2.67	41.96	0.66
PV462	PV465	74.15	DN150	0.54	2.69	43.69	0.63
PV465	PV478	76.62	DN150	0.48	2.69	45.00	0.60
PV468	PV469	73.73	DN150	0.70	2.65	40.60	0.69
PV469	PV470	80.30	DN150	0.78	2.67	39.56	0.72
PV470	PV471	70.36	DN150	0.77	2.68	39.74	0.71
PV471	PV472	78.93	DN150	0.90	2.69	38.37	0.75
PV472	PV473	69.09	DN150	0.72	2.70	40.59	0.70
PV473	PV474	71.71	DN150	0.91	2.71	38.41	0.76
PV474	PV475	75.37	DN150	1.00	2.71	37.56	0.78
PV475	PV476	76.56	DN150	1.72	2.72	32.79	0.95
PV476	PV477	74.15	DN150	1.66	2.73	33.15	0.94
PV477	PV614	87.18	DN150	1.86	2.74	32.28	0.98
PV478	PV482	73.56	DN150	0.50	2.70	44.58	0.61
PV480	PV481	80.68	DN150	3.23	0.30	9.73	0.61
PV481	PV485	73.16	DN150	0.55	4.71	58.51	0.74
PV482	PV487	75.97	DN150	0.62	2.71	42.32	0.66
PV484	PV485	84.42	DN150	2.97	0.32	10.28	0.61
PV485	PV490	76.78	DN150	0.60	5.04	59.20	0.78
PV487	PV491	74.86	DN150	0.53	2.71	43.99	0.63

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PV489	PV490	88.52	DN150	2.84	0.33	10.57	0.61
PV490	PV494	74.33	DN150	0.63	5.39	60.51	0.81
PV491	PV496	73.13	DN150	0.50	2.72	44.80	0.61
PV493	PV494	84.06	DN150	3.03	0.32	10.23	0.61
PV494	PV499	72.17	DN150	0.79	5.72	58.84	0.89
PV496	PV542	71.45	DN150	0.50	2.72	44.84	0.61
PV498	PV499	84.02	DN150	3.30	0.30	9.68	0.62
PV499	PV503	71.50	DN150	0.74	6.03	61.62	0.88
PV502	PV503	84.03	DN150	3.48	0.30	9.57	0.63
PV503	PV508	75.80	DN150	0.67	6.34	65.08	0.86
PV505	PV509	76.67	DN150	0.50	3.06	47.65	0.63
PV505	PV542	74.11	DN150	0.50	3.06	47.61	0.63
PV507	PV508	83.97	DN150	3.33	0.30	9.66	0.62
PV508	PV512	75.31	DN150	0.81	6.65	63.46	0.93
PV509	PV514	73.51	DN150	0.73	3.07	43.18	0.73
PV511	PV512	83.92	DN150	3.09	0.30	9.84	0.60
PV512	PV517	73.38	DN150	1.34	6.96	56.75	1.14
PV514	PV518	76.74	DN150	1.29	3.07	37.45	0.89
PV516	PV517	83.86	DN150	3.32	0.30	9.67	0.62
PV517	PV522	77.68	DN150	1.85	7.27	53.20	1.29
PV518	PV582	86.48	DN150	0.47	6.44	72.77	0.76
PV518	PV598	75.13	DN150	1.20	9.53	69.53	1.19
PV520	PV606	82.95	DN150	2.15	0.47	13.34	0.61
PV522	PV610	91.58	DN150	1.94	7.28	52.58	1.32
PV542	PV573	85.24	DN150	3.03	0.32	10.23	0.61
PV547	PV548	72.02	DN150	2.47	0.41	12.11	0.62
PV548	PV549	27.57	DN150	1.40	0.83	19.29	0.62
PV549	PV551	59.10	DN150	1.00	1.12	24.23	0.61
PV550	PV551	83.44	DN150	2.72	0.41	11.85	0.64
PV551	PV552	73.41	DN150	0.80	1.56	30.07	0.62
PV552	PV553	83.52	DN150	2.99	0.41	11.58	0.66
PV552	PV554	73.15	DN150	0.60	2.10	37.50	0.61
PV554	PV555	78.64	DN150	3.24	0.36	10.58	0.65
PV554	PV556	77.92	DN150	0.52	2.47	42.20	0.61
PV556	PV557	82.96	DN150	3.08	0.36	10.71	0.64
PV556	PV558	73.88	DN150	0.50	2.84	45.79	0.62
PV558	PV559	75.00	DN150	0.50	2.84	45.84	0.62
PV559	PV560	75.01	DN150	0.50	2.85	45.89	0.62
PV560	PV561	83.80	DN150	2.71	0.36	11.04	0.61
PV560	PV562	76.29	DN150	0.53	3.22	48.15	0.66
PV562	PV563	84.59	DN150	3.01	0.36	10.76	0.63
PV562	PV564	73.93	DN150	0.50	3.58	51.76	0.66
PV564	PV565	84.74	DN150	2.74	0.41	11.83	0.64
PV564	PV566	75.15	DN150	0.50	4.01	54.95	0.68
PV566	PV567	84.92	DN150	2.72	0.41	11.84	0.64
PV566	PV568	75.36	DN150	0.47	4.44	59.00	0.69
PV568	PV569	85.08	DN150	2.42	0.41	12.18	0.61
PV568	PV570	74.12	DN150	0.47	4.86	62.05	0.70
PV570	PV571	85.25	DN150	2.76	0.36	10.99	0.61
PV570	PV572	71.45	DN150	0.47	5.23	64.61	0.72
PV572	PV575	72.39	DN150	0.47	5.24	64.65	0.72
PV575	PV576	85.33	DN150	2.57	0.40	11.84	0.62
PV575	PV577	78.09	DN150	0.47	5.65	67.48	0.73
PV577	PV578	85.60	DN150	2.85	0.33	10.56	0.61

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PV577	PV579	73.62	DN150	0.47	5.99	69.79	0.74
PV579	PV580	85.69	DN150	2.46	0.41	12.13	0.62
PV579	PV581	75.68	DN150	0.47	6.42	72.61	0.76
PV581	PV582	85.05	DN150	0.47	6.43	72.65	0.76
PV585	PV586	74.47	DN150	1.35	0.77	18.82	0.60
PV586	PV588	76.59	DN150	1.28	0.84	19.81	0.61
PV588	PV590	75.47	DN150	1.38	0.85	19.65	0.63
PV590	PV592	53.36	DN150	1.50	0.87	19.44	0.65
PV592	PV604	92.46	DN150	2.27	0.89	17.75	0.75
PV595	PV599	81.72	DN150	3.29	0.30	9.69	0.62
PV596	PV602	67.48	DN150	3.66	0.25	8.71	0.61
PV597	PV603	55.98	DN150	3.79	0.24	8.43	0.60
PV598	PV599	72.81	DN150	1.29	9.54	68.20	1.22
PV599	PV600	22.83	DN150	2.00	9.85	61.44	1.45
PV600	PV602	47.40	DN150	1.56	9.85	65.82	1.32
PV602	PV603	69.27	DN150	1.72	10.11	65.02	1.38
PV603	PV604	51.44	DN150	1.44	10.36	69.29	1.30
PV604	PV634	83.33	DN150	1.40	11.26	73.21	1.31
PV606	PV607	88.39	DN150	1.97	0.54	14.47	0.62
PV607	PV609	82.48	DN150	2.15	0.56	14.49	0.64
PV609	PV661	85.75	DN150	2.01	0.58	14.94	0.63
PV610	PV611	80.26	DN150	2.18	7.30	51.07	1.37
PV611	PV613	83.62	DN150	2.20	7.32	51.04	1.38
PV613	PV673	84.01	DN150	2.24	7.34	50.87	1.39
PV614	PV615	85.64	DN150	2.02	2.76	31.73	1.01
PV615	PV617	85.47	DN150	2.08	2.77	31.55	1.02
PV617	PV690	81.74	DN150	2.02	2.79	31.90	1.02
PV618	PV619	84.28	DN150	2.23	3.26	33.61	1.10
PV619	PV694	81.95	DN150	2.04	3.27	34.44	1.07
PV621	PV622	82.96	DN150	3.00	0.54	13.08	0.71
PV622	PV700	87.58	DN150	2.48	0.65	15.03	0.71
PV624	PV625	83.46	DN150	2.38	3.69	35.20	1.17
PV625	PV712	87.23	DN150	2.01	3.73	36.93	1.10
PV627	PV628	83.83	DN150	2.59	0.39	11.58	0.61
PV628	PV723	79.73	DN150	2.42	0.50	13.33	0.65
PV630	PV631	76.53	DN150	2.64	4.24	36.78	1.26
PV631	PV729	80.51	DN150	2.22	4.26	38.51	1.19
PV632	PV734	84.71	DN150	2.92	0.41	11.65	0.65
PV633	PV735	84.37	DN150	2.52	5.30	41.64	1.32
PV634	PV635	90.57	DN150	1.35	11.27	74.19	1.29
PV635	PV636	81.75	DN150	1.33	11.30	74.48	1.29
PV636	PV637	90.90	DN150	1.38	11.31	73.88	1.31
PV637	PV638	85.75	DN150	1.08	11.34	79.38	1.19
PV638	PV639	84.10	DN150	1.28	11.36	75.54	1.27
PV639	PV640	70.50	DN150	1.43	11.38	73.24	1.33
PV640	PV641	78.75	DN150	1.65	11.40	70.36	1.40
PV641	PV642	63.20	DN150	2.39	11.41	63.45	1.61
PV642	PV643	72.69	DN150	1.61	11.42	70.97	1.39
PV643	PV644	73.18	DN150	1.60	11.43	71.13	1.38
PV644	PV645	65.14	DN150	1.44	12.80	78.36	1.37
PV644	PV873	70.27	DN150	2.99	1.35	20.34	0.94
PV645	PV646	63.96	DN150	1.49	12.81	77.70	1.39
PV646	PV647	66.43	DN150	1.73	13.21	75.61	1.48
PV646	PV908	69.61	DN150	2.43	0.39	11.82	0.60

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PV647	PV648	61.37	DN150	1.89	13.21	73.70	1.53
PV648	PV649	64.47	DN150	1.68	13.54	77.50	1.47
PV648	PV909	68.99	DN150	2.96	0.32	10.28	0.61
PV649	PV650	64.87	DN150	1.68	13.54	77.44	1.47
PV650	PV651	84.06	DN150	2.00	13.96	74.86	1.58
PV650	PV910	66.72	DN150	2.38	0.40	12.04	0.60
PV651	PV652	64.06	DN150	2.00	14.30	75.94	1.59
PV651	PV911	67.46	DN150	2.88	0.33	10.52	0.61
PV652	PV653	60.05	DN150	2.00	14.32	76.00	1.59
PV653	PV654	65.84	DN150	1.30	14.67	88.01	1.36
PV653	PV912	66.24	DN150	2.78	0.34	10.79	0.61
PV654	PV854	46.79	DN150	1.70	15.36	83.32	1.52
PV654	PV913	57.91	DN150	1.52	0.67	17.12	0.60
PV658	PV659	79.64	DN150	2.50	0.47	12.84	0.64
PV659	PV660	90.03	DN150	2.04	0.49	13.70	0.61
PV660	PV741	93.85	DN150	2.78	0.51	13.02	0.68
PV661	PV663	82.98	DN150	2.08	0.61	15.10	0.65
PV663	PV664	90.13	DN150	2.00	0.62	15.47	0.65
PV664	PV665	47.35	DN150	2.56	0.65	14.86	0.71
PV665	PV667	62.64	DN150	1.60	0.66	16.81	0.61
PV667	PV668	62.71	DN150	1.60	0.67	16.87	0.61
PV668	PV669	13.40	DN150	1.90	0.67	16.24	0.65
PV669	PV671	93.48	DN150	1.81	0.67	16.45	0.64
PV671	PV672	86.74	DN150	2.82	0.68	14.86	0.75
PV672	PV686	10.77	DN150	3.25	0.69	14.44	0.79
PV673	PV675	85.43	DN150	1.70	7.36	54.84	1.26
PV675	PV676	87.84	DN150	2.15	7.38	51.56	1.37
PV676	PV677	85.65	DN150	2.83	7.40	48.08	1.52
PV677	PV678	88.89	DN150	2.45	7.41	49.92	1.44
PV678	PV687	72.83	DN150	1.18	13.56	86.38	1.29
PV678	PV699	83.37	DN150	1.12	6.14	55.67	1.03
PV679	PV680	71.53	DN150	3.61	0.30	9.48	0.64
PV680	PV687	75.29	DN150	3.92	0.30	9.37	0.66
PV682	PV683	52.34	DN150	3.04	0.32	10.20	0.61
PV683	PV684	99.16	DN150	1.00	1.09	23.85	0.60
PV684	PV686	74.60	DN150	1.00	1.09	23.93	0.60
PV686	PV769	8.28	DN150	1.00	1.79	30.46	0.70
PV687	PV688	75.44	DN150	0.73	13.87	103.12	1.07
PV688	PV689	68.71	DN150	1.00	13.88	92.56	1.21
PV689	PV709	80.61	DN150	1.46	13.89	81.98	1.41
PV690	PV692	89.17	DN150	1.85	2.80	32.66	0.99
PV692	PV693	84.20	DN150	2.39	2.81	30.70	1.08
PV693	PV698	73.81	DN150	2.27	2.82	31.16	1.06
PV694	PV695	85.01	DN150	2.25	3.29	33.70	1.11
PV695	PV697	84.70	DN150	2.08	3.30	34.43	1.08
PV697	PV698	88.57	DN150	1.89	3.30	35.31	1.04
PV698	PV699	44.80	DN150	1.54	6.13	51.08	1.16
PV700	PV701	80.18	DN150	2.00	0.67	16.02	0.66
PV701	PV703	88.44	DN150	1.50	0.69	17.44	0.61
PV703	PV704	84.61	DN150	1.50	0.71	17.66	0.61
PV704	PV705	52.06	DN150	1.40	0.73	18.17	0.60
PV705	PV706	96.09	DN150	1.50	0.91	19.85	0.66
PV706	PV707	94.72	DN150	1.20	0.93	21.16	0.61
PV707	PV708	63.45	DN150	1.10	1.17	24.21	0.64

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PV708	PV709	50.94	DN150	1.00	1.18	24.83	0.61
PV709	PV710	73.98	DN150	1.28	15.08	90.06	1.36
PV710	PV711	82.25	DN150	1.50	15.08	85.65	1.45
PV711	PV721	74.57	DN150	1.41	3.94	41.57	0.99
PV711	PV722	80.11	DN150	1.21	19.04	108.64	1.39
PV712	PV713	81.96	DN150	2.10	3.76	36.66	1.12
PV713	PV715	86.59	DN150	1.64	3.79	39.20	1.03
PV715	PV716	85.62	DN150	2.09	3.82	37.01	1.13
PV716	PV717	60.69	DN150	0.87	3.85	46.44	0.83
PV717	PV718	70.96	DN150	0.82	3.88	47.42	0.81
PV718	PV719	95.38	DN150	0.79	3.90	48.01	0.80
PV719	PV720	60.18	DN150	1.35	3.91	41.90	0.97
PV720	PV721	79.62	DN150	0.53	3.94	53.63	0.69
PV722	PV775	72.34	DN150	3.82	0.24	8.48	0.61
PV722	PV805	73.44	DN150	1.70	19.29	96.65	1.60
PV723	PV724	88.01	DN150	2.14	0.61	15.09	0.66
PV724	PV726	87.52	DN150	1.50	0.73	17.86	0.61
PV726	PV727	86.44	DN150	1.80	0.84	18.30	0.68
PV727	PV728	59.55	DN150	1.30	0.95	21.02	0.63
PV728	PV732	17.69	DN150	0.47	4.34	58.32	0.68
PV728	PV798	96.95	DN150	1.05	5.31	52.37	0.97
PV729	PV730	84.09	DN150	2.06	4.28	39.36	1.16
PV730	PV731	89.10	DN150	1.56	4.30	42.35	1.05
PV731	PV732	88.27	DN150	1.27	4.32	44.73	0.98
PV734	PV735	39.71	DN150	3.15	0.54	13.00	0.73
PV735	PV736	83.72	DN150	1.93	5.86	46.97	1.24
PV736	PV737	81.89	DN150	1.64	5.88	49.10	1.17
PV737	PV738	84.34	DN150	1.64	5.90	49.21	1.17
PV738	PV739	77.82	DN150	1.85	5.92	47.80	1.22
PV739	PV740	81.08	DN150	2.00	5.94	46.89	1.26
PV740	PV817	103.51	DN150	1.57	5.95	50.00	1.15
PV741	PV742	71.18	DN150	1.50	0.81	18.78	0.63
PV742	PV743	68.17	DN150	1.41	0.83	19.26	0.62
PV743	PV744	74.31	DN150	1.37	0.84	19.56	0.62
PV744	PV745	64.37	DN150	3.98	0.23	8.15	0.61
PV744	PV747	69.37	DN150	1.40	1.09	22.05	0.68
PV747	PV748	73.18	DN150	1.40	1.11	22.22	0.68
PV748	PV749	66.42	DN150	2.42	0.39	11.82	0.60
PV748	PV751	63.37	DN150	1.50	1.52	25.47	0.76
PV751	PV752	66.50	DN150	1.50	1.53	25.51	0.77
PV752	PV753	68.53	DN150	3.01	0.31	10.05	0.60
PV752	PV754	67.62	DN150	1.40	1.86	28.55	0.79
PV754	PV755	57.91	DN150	1.02	1.86	30.92	0.71
PV755	PV756	68.84	DN150	4.20	0.21	7.84	0.61
PV755	PV757	62.32	DN150	1.40	2.10	30.32	0.82
PV757	PV758	68.22	DN150	0.92	2.10	33.65	0.71
PV758	PV759	69.52	DN150	3.85	0.24	8.40	0.61
PV758	PV797	63.77	DN150	1.50	2.36	31.61	0.87
PV760	PV761	75.03	DN150	3.09	0.31	10.00	0.61
PV761	PV768	68.91	DN150	1.18	0.90	20.98	0.60
PV767	PV768	68.91	DN150	1.00	1.14	24.46	0.61
PV767	PV854	101.69	DN150	0.95	1.17	25.02	0.60
PV769	PV770	72.41	DN150	2.37	1.79	24.64	0.94
PV770	PV771	73.40	DN150	2.49	1.79	24.38	0.96

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PV771	PV772	73.40	DN150	2.30	1.80	24.90	0.93
PV772	PV780	46.37	DN150	3.52	1.81	22.53	1.09
PV774	PV775	45.53	DN150	3.82	0.24	8.42	0.61
PV777	PV779	61.60	DN150	3.00	0.35	10.74	0.63
PV779	PV780	65.74	DN150	1.81	0.56	15.01	0.60
PV780	PV781	66.62	DN150	1.00	2.37	35.07	0.76
PV781	PV782	70.42	DN150	0.90	2.38	36.05	0.73
PV782	PV783	60.85	DN150	4.45	0.20	7.54	0.61
PV782	PV785	68.42	DN150	0.90	2.59	37.64	0.75
PV785	PV792	62.69	DN150	1.49	2.60	33.23	0.89
PV787	PV792	69.63	DN150	2.53	0.11	6.46	0.60
PV789	PV791	64.43	DN150	3.50	0.28	9.34	0.62
PV791	PV794	73.93	DN150	3.26	0.29	9.65	0.61
PV792	PV793	60.50	DN150	1.29	2.72	35.21	0.86
PV793	PV794	65.33	DN150	1.81	2.72	32.40	0.97
PV794	PV795	72.76	DN150	3.00	0.32	10.25	0.61
PV794	PV835	80.58	DN150	0.92	3.35	42.59	0.81
PV797	PV1146	10.60	DN150	1.40	2.38	32.27	0.85
PV798	PV799	89.15	DN150	0.94	5.33	54.04	0.93
PV799	PV800	71.05	DN150	1.50	5.35	47.83	1.10
PV800	PV802	56.87	DN150	0.70	5.37	58.67	0.84
PV802	PV803	65.35	DN150	0.50	5.37	64.47	0.74
PV803	PV804	48.69	DN150	0.50	5.38	64.51	0.74
PV804	PV805	63.30	DN150	2.19	5.38	43.53	1.26
PV805	PV806	61.98	DN200	1.20	24.69	103.35	1.51
PV806	PV807	74.27	DN200	1.20	24.69	103.36	1.51
PV807	PV808	73.92	DN200	1.61	24.70	94.85	1.68
PV808	PV809	70.60	DN200	1.34	25.13	100.97	1.58
PV808	PV816	64.59	DN150	2.51	0.41	12.05	0.62
PV809	PV822	55.07	DN300	0.20	42.64	195.36	0.87
PV809	PV828	101.16	DN350	0.20	67.78	236.64	0.98
PV812	PV813	97.42	DN150	1.91	0.53	14.47	0.61
PV813	PV814	69.49	DN150	1.59	1.14	21.82	0.72
PV814	PV815	72.84	DN150	1.11	1.20	24.43	0.64
PV815	PV821	82.42	DN150	1.10	1.21	24.56	0.64
PV817	PV818	88.21	DN150	1.83	5.97	48.17	1.22
PV818	PV819	101.25	DN150	1.97	5.99	47.33	1.25
PV819	PV820	80.05	DN300	0.20	41.39	191.36	0.87
PV819	PV941	66.74	DN250	0.23	35.38	195.33	0.86
PV820	PV821	88.79	DN300	0.20	41.40	191.40	0.87
PV821	PV822	60.67	DN300	0.20	42.63	195.33	0.87
PV824	PV825	65.40	DN150	2.40	0.41	12.16	0.61
PV825	PV826	66.25	DN150	2.57	0.43	12.20	0.63
PV826	PV827	9.89	DN150	2.50	0.44	12.50	0.63
PV827	PV828	78.51	DN150	2.24	0.46	12.99	0.61
PV828	PV832	68.68	DN350	0.20	68.26	237.87	0.98
PV829	PV830	70.27	DN150	2.75	0.35	10.98	0.61
PV830	PV833	35.22	DN150	2.61	0.38	11.43	0.61
PV832	PV833	76.34	DN350	0.20	68.27	237.90	0.98
PV833	PV834	65.00	DN350	0.20	68.66	238.91	0.98
PV834	PV835	57.89	DN350	0.20	68.68	238.94	0.98
PV835	PV836	80.09	DN350	0.20	72.04	247.77	0.99
PV836	PV837	96.74	DN350	0.20	72.06	247.80	0.99
PV837	PV838	80.19	DN350	0.20	74.47	254.37	0.99

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PV837	PV1146	105.76	DN150	1.81	2.39	30.34	0.93
PV838	PV839	86.14	DN350	0.20	74.48	254.41	0.99
PV839	PV840	73.00	DN350	0.20	74.50	254.45	0.99
PV840	PV841	65.52	DN150	3.91	0.23	8.20	0.60
PV840	PV843	92.91	DN350	0.20	74.74	255.14	0.99
PV843	PV850	105.36	DN350	0.20	74.76	255.19	0.99
PV845	PV1093	106.09	DN400	0.20	102.03	281.39	1.08
PV850	PV851	100.36	DN350	0.20	74.78	255.24	0.99
PV851	PV852	71.68	DN350	0.23	91.37	288.39	1.08
PV851	PV855	59.59	DN150	1.48	16.57	91.47	1.47
PV852	PV853	73.56	DN350	0.23	91.38	288.43	1.08
PV853	PV906	100.11	DN150	3.64	4.09	33.31	1.40
PV853	PV1069	69.34	DN350	0.23	95.49	305.89	1.07
PV854	PV855	48.16	DN150	1.20	16.55	98.11	1.35
PV857	PV858	69.82	DN150	2.00	0.58	14.90	0.63
PV858	PV859	59.76	DN150	1.52	0.69	17.29	0.61
PV859	PV862	84.11	DN150	1.56	0.80	18.51	0.64
PV862	PV863	88.60	DN150	1.19	0.91	21.04	0.60
PV863	PV865	84.18	DN150	1.20	1.03	22.23	0.63
PV865	PV866	84.98	DN150	0.99	1.14	24.50	0.61
PV866	PV868	69.29	DN150	1.07	1.26	25.20	0.64
PV868	PV869	73.60	DN150	1.79	1.27	22.36	0.77
PV869	PV870	70.67	DN150	2.17	1.29	21.51	0.83
PV870	PV872	69.17	DN150	1.52	1.31	23.63	0.74
PV872	PV873	75.68	DN150	1.37	1.33	24.36	0.71
PV874	PV875	69.24	DN150	2.08	0.58	14.77	0.64
PV875	PV876	58.96	DN150	1.87	0.69	16.46	0.65
PV876	PV878	84.31	DN150	1.26	0.99	21.55	0.63
PV878	PV879	88.34	DN150	1.39	1.01	21.22	0.66
PV879	PV881	80.98	DN150	1.20	1.03	22.26	0.63
PV881	PV882	88.28	DN150	1.18	1.05	22.53	0.63
PV882	PV884	71.37	DN150	2.26	1.07	19.47	0.80
PV884	PV885	76.94	DN150	1.96	1.09	20.29	0.76
PV885	PV886	65.06	DN150	1.20	1.11	23.03	0.64
PV886	PV888	74.24	DN150	1.00	1.12	24.17	0.60
PV888	PV889	70.20	DN150	1.27	1.12	22.88	0.66
PV889	PV891	66.38	DN150	1.93	1.14	20.87	0.77
PV891	PV892	63.69	DN150	3.26	1.15	18.43	0.92
PV892	PV894	63.61	DN150	2.34	2.35	28.28	1.02
PV892	PV1026	76.81	DN150	2.04	1.19	21.01	0.79
PV894	PV895	65.62	DN150	2.27	2.37	28.59	1.01
PV895	PV897	64.76	DN150	1.91	2.70	31.81	0.99
PV895	PV1064	75.26	DN150	2.99	0.32	10.25	0.61
PV897	PV898	66.77	DN150	1.86	2.72	32.15	0.98
PV898	PV900	80.71	DN150	2.90	3.08	30.65	1.19
PV898	PV1065	72.69	DN150	2.74	0.36	11.00	0.61
PV900	PV902	60.53	DN150	1.97	3.41	35.52	1.07
PV900	PV1066	75.17	DN150	2.98	0.32	10.27	0.61
PV902	PV903	60.32	DN150	1.97	3.43	35.58	1.07
PV903	PV905	64.76	DN150	1.24	3.76	41.96	0.93
PV903	PV1067	78.01	DN150	3.04	0.32	10.22	0.61
PV905	PV906	63.00	DN150	1.27	3.78	41.76	0.94
PV906	PV1068	79.84	DN150	3.23	0.30	9.73	0.61
PV913	PV914	63.10	DN150	2.00	0.53	14.28	0.62



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PV916	PV917	95.73	DN150	3.29	0.42	11.34	0.68
PV917	PV920	78.55	DN150	2.20	0.43	12.73	0.60
PV918	PV919	75.93	DN150	3.00	0.47	12.31	0.69
PV919	PV920	80.65	DN150	2.91	0.49	12.61	0.69
PV920	PV921	61.40	DN150	1.55	0.95	20.09	0.67
PV921	PV922	66.49	DN150	4.32	0.24	8.19	0.63
PV921	PV924	65.36	DN150	1.82	1.21	21.71	0.76
PV924	PV925	64.68	DN150	3.28	6.41	42.94	1.53
PV925	PV978	106.31	DN150	0.61	6.42	67.36	0.84
PV926	PV942	71.79	DN150	2.84	0.36	10.90	0.62
PV927	PV928	90.37	DN150	2.50	0.41	12.09	0.62
PV928	PV929	73.53	DN150	2.00	0.54	14.44	0.62
PV929	PV930	74.45	DN150	1.50	0.98	20.56	0.67
PV929	PV944	77.00	DN150	2.34	0.41	12.28	0.61
PV930	PV931	52.13	DN150	1.60	1.00	20.47	0.69
PV932	PV933	99.49	DN150	0.90	1.53	28.98	0.64
PV934	PV935	62.04	DN250	0.20	20.92	140.32	0.74
PV935	PV936	107.15	DN250	0.20	20.93	140.35	0.74
PV936	PV937	17.47	DN250	0.20	20.94	140.41	0.74
PV937	PV938	91.96	DN250	0.20	21.51	142.77	0.74
PV937	PV975	76.99	DN150	2.22	0.55	14.22	0.65
PV938	PV939	90.96	DN250	0.20	21.52	142.81	0.74
PV939	PV940	36.82	DN250	0.20	21.53	142.86	0.74
PV940	PV941	117.45	DN250	0.23	34.45	190.64	0.86
PV940	PV973	90.59	DN150	2.79	12.92	65.08	1.76
PV941	PV1004	92.54	DN150	1.53	0.90	19.67	0.66
PV942	PV945	69.45	DN150	1.80	0.65	16.21	0.63
PV945	PV948	74.59	DN150	1.78	0.67	16.51	0.64
PV947	PV957	73.97	DN150	2.35	0.41	12.25	0.61
PV948	PV949	79.74	DN150	1.20	0.91	21.00	0.61
PV949	PV953	92.15	DN150	1.20	0.94	21.25	0.61
PV951	PV956	92.66	DN150	1.39	0.78	18.77	0.61
PV951	PV957	79.23	DN150	1.60	0.65	16.67	0.61
PV953	PV954	97.29	DN150	1.07	1.06	23.17	0.61
PV954	PV955	72.04	DN150	1.62	1.08	21.20	0.71
PV955	PV956	96.25	DN150	1.39	0.80	18.99	0.61
PV958	PV959	65.25	DN150	1.52	4.44	43.35	1.05
PV959	PV961	10.57	DN150	1.23	4.46	45.84	0.97
PV961	PV962	72.08	DN150	1.42	4.47	44.30	1.03
PV962	PV963	72.96	DN150	1.29	4.49	45.48	0.99
PV963	PV965	90.46	DN150	1.85	4.51	41.57	1.13
PV965	PV966	99.45	DN150	0.47	4.53	59.71	0.69
PV966	PV968	41.70	DN150	0.47	4.56	59.88	0.69
PV968	PV970	81.89	DN150	0.47	4.57	59.99	0.69
PV970	PV971	81.69	DN150	0.87	4.59	50.97	0.87
PV971	PV973	100.64	DN150	1.24	12.80	82.02	1.29
PV971	PV1001	75.96	DN150	2.20	8.10	53.85	1.42
PV974	PV975	88.76	DN150	2.07	0.53	14.22	0.63
PV977	PV978	88.52	DN150	3.10	0.30	9.84	0.60
PV978	PV983	73.63	DN150	1.36	6.74	55.52	1.13
PV980	PV984	76.75	DN150	2.46	0.47	12.90	0.64
PV982	PV983	80.53	DN150	2.72	0.36	11.02	0.61
PV983	PV987	72.50	DN150	1.23	7.10	58.71	1.11
PV984	PV989	77.16	DN150	2.59	0.49	13.03	0.66

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PV986	PV987	68.94	DN150	2.39	0.41	12.19	0.61
PV987	PV992	83.41	DN150	0.86	7.53	66.83	0.99
PV989	PV993	56.88	DN150	2.00	0.51	14.08	0.61
PV991	PV992	55.93	DN150	2.32	0.41	12.26	0.60
PV992	PV1006	58.17	DN150	0.93	7.95	67.53	1.03
PV993	PV994	49.58	DN150	2.08	0.53	14.17	0.62
PV994	PV998	80.26	DN150	2.00	0.55	14.56	0.62
PV996	PV1000	104.12	DN150	0.55	7.96	78.84	0.85
PV996	PV1006	47.52	DN150	0.93	7.95	67.60	1.03
PV998	PV999	77.82	DN150	1.50	0.73	17.86	0.61
PV999	PV1002	86.86	DN150	1.37	0.75	18.47	0.60
PV1000	PV1001	100.97	DN150	0.94	7.98	67.43	1.04
PV1002	PV1003	92.33	DN150	1.44	0.77	18.52	0.62
PV1003	PV1004	96.95	DN150	1.33	0.79	19.09	0.60
PV1007	PV1009	66.73	DN150	2.00	0.58	14.91	0.63
PV1009	PV1010	56.42	DN150	1.90	0.69	16.40	0.66
PV1010	PV1012	83.27	DN150	1.12	0.99	22.17	0.61
PV1012	PV1013	89.32	DN150	1.12	1.01	22.37	0.61
PV1013	PV1015	86.08	DN150	1.15	1.03	22.48	0.62
PV1015	PV1016	82.85	DN150	1.20	1.05	22.44	0.63
PV1016	PV1018	69.56	DN150	1.58	1.07	21.21	0.70
PV1018	PV1019	76.94	DN150	1.83	1.09	20.63	0.74
PV1019	PV1020	67.05	DN150	2.06	1.11	20.21	0.78
PV1020	PV1022	70.06	DN150	1.40	1.12	22.29	0.68
PV1022	PV1023	73.88	DN150	1.85	1.13	20.97	0.75
PV1023	PV1025	67.50	DN150	2.18	1.16	20.37	0.80
PV1025	PV1026	63.14	DN150	2.76	1.17	19.38	0.88
PV1029	PV1030	55.97	DN150	2.20	0.59	14.70	0.66
PV1030	PV1032	85.64	DN150	1.22	0.88	20.58	0.61
PV1032	PV1033	86.87	DN150	1.22	0.90	20.78	0.61
PV1033	PV1035	83.95	DN150	1.20	0.92	21.07	0.61
PV1035	PV1036	85.07	DN150	1.21	0.94	21.22	0.61
PV1036	PV1038	70.06	DN150	1.91	0.96	19.18	0.73
PV1038	PV1039	79.96	DN150	1.66	0.97	20.01	0.69
PV1039	PV1040	63.34	DN150	1.88	0.99	19.60	0.73
PV1040	PV1042	70.69	DN150	1.98	1.11	20.46	0.77
PV1040	PV1072	73.65	DN150	3.95	0.11	5.85	0.49
PV1042	PV1043	72.74	DN150	1.65	1.13	21.54	0.72
PV1043	PV1045	64.84	DN150	2.93	1.38	20.65	0.94
PV1043	PV1101	76.84	DN150	3.70	0.24	8.50	0.60
PV1045	PV1046	66.87	DN150	1.44	1.38	24.59	0.73
PV1046	PV1048	64.69	DN150	2.54	1.69	23.61	0.95
PV1046	PV1100	78.72	DN150	3.12	0.30	9.80	0.61
PV1048	PV1049	65.86	DN150	2.19	1.71	24.59	0.90
PV1049	PV1051	66.04	DN150	2.59	2.08	25.95	1.02
PV1049	PV1099	79.18	DN150	2.68	0.36	11.07	0.61
PV1051	PV1052	67.93	DN150	2.52	2.09	26.23	1.01
PV1052	PV1054	76.73	DN150	2.66	2.42	27.80	1.07
PV1052	PV1098	74.18	DN150	2.90	0.32	10.35	0.60
PV1054	PV1056	60.66	DN150	2.16	2.76	31.19	1.04
PV1054	PV1097	73.90	DN150	2.96	0.32	10.29	0.61
PV1056	PV1057	62.46	DN150	2.86	2.77	29.18	1.15
PV1057	PV1059	56.60	DN150	1.22	3.20	38.76	0.88
PV1057	PV1096	75.48	DN150	2.40	0.41	12.20	0.61

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PV1059	PV1060	63.65	DN150	2.79	3.21	31.57	1.19
PV1060	PV1062	58.98	DN150	2.76	3.70	33.94	1.23
PV1060	PV1095	69.52	DN150	2.04	0.47	13.49	0.60
PV1062	PV1063	58.35	DN150	5.30	3.71	28.95	1.55
PV1063	PV1069	97.90	DN350	0.25	95.50	289.25	1.12
PV1063	PV1094	78.09	DN350	0.25	99.23	304.30	1.12
PV1073	PV1074	60.06	DN150	2.53	0.41	12.03	0.62
PV1074	PV1076	73.43	DN150	2.19	0.74	16.46	0.71
PV1074	PV1124	76.88	DN150	2.98	0.32	10.27	0.61
PV1076	PV1077	73.43	DN150	1.87	0.76	17.29	0.67
PV1077	PV1079	67.73	DN150	2.58	1.07	18.83	0.83
PV1077	PV1123	76.07	DN150	3.16	0.30	9.78	0.61
PV1079	PV1080	64.68	DN150	2.80	1.09	18.61	0.86
PV1080	PV1082	70.90	DN150	2.85	1.37	20.72	0.93
PV1080	PV1122	72.96	DN150	3.39	0.27	9.25	0.61
PV1082	PV1083	69.27	DN150	3.41	1.39	19.96	0.99
PV1083	PV1085	71.33	DN150	2.92	1.72	22.98	1.00
PV1083	PV1121	73.74	DN150	2.98	0.32	10.26	0.61
PV1085	PV1087	64.86	DN150	3.15	2.05	24.58	1.08
PV1085	PV1120	69.51	DN150	2.91	0.32	10.32	0.60
PV1087	PV1088	60.60	DN150	3.86	2.06	23.48	1.17
PV1088	PV1090	59.34	DN150	1.35	2.73	34.89	0.87
PV1088	PV1119	62.43	DN150	1.68	0.65	16.49	0.62
PV1090	PV1091	61.31	DN150	1.97	2.74	31.82	1.00
PV1091	PV1092	56.13	DN150	5.02	2.75	25.31	1.39
PV1092	PV1093	60.39	DN150	4.93	2.76	25.49	1.39
PV1093	PV1094	74.80	DN350	0.25	99.25	304.36	1.12
PV1103	PV1104	62.18	DN150	3.00	0.35	10.76	0.63
PV1104	PV1106	71.19	DN150	1.85	0.54	14.70	0.60
PV1106	PV1107	71.19	DN150	2.08	0.56	14.52	0.63
PV1107	PV1109	72.41	DN150	2.38	0.58	14.33	0.67
PV1109	PV1110	64.04	DN150	3.65	0.60	13.12	0.79
PV1110	PV1112	68.03	DN150	3.41	0.62	13.56	0.78
PV1112	PV1113	72.13	DN150	3.23	0.62	13.79	0.77
PV1113	PV1115	72.16	DN150	3.59	0.63	13.57	0.80
PV1115	PV1117	61.90	DN150	3.60	0.64	13.61	0.80
PV1117	PV1118	58.90	DN150	3.48	0.64	13.77	0.79
PV1118	PV1119	73.79	DN150	1.90	0.65	15.96	0.64

### 8. Quantitativos

Em seguida, são detalhados os comprimentos totais dos materiais utilizados na instalação.

#### TUBOS PVC

Descrição	Comprimento m
DN150	81072.25
DN200	1224.19
DN250	667.83
DN300	284.59
DN350	1549.20
DN400	596.74

### 9. Quantitativos escavação

## Relatório geral da instalação – Bacia nº 01

Os volumes de terra removidos para a execução da obra são:

Descrição	Vol. escavado m3	Vol. areias m3	Vol. areia fina m3
Solos coesivos	107315.40	29270.71	76296.69
Total	107315.40	29270.71	76296.69

### Volume de terra por trechos

Início	Final	Solo Início m	Solo Final m	Comprimento m	Prof. Início m	Prof. Final m	Largura fundo cm	Talude	Vol. escavado m3	Vol. areias m3	Vol. areia fina m3	Superfície pavimento m2
ETE2	PS313	482.38	482.38	39.64	2.00	1.80	70.00	0/3	48.53	17.22	26.33	27.75
PS1	PV2	534.08	533.84	87.00	1.20	1.37	65.00	0/3	64.09	29.57	32.99	56.55
PS2	PV29	533.88	533.72	76.19	1.20	1.42	65.00	0/3	57.38	25.89	30.60	49.52
PS3	PV46	533.72	533.18	69.82	1.20	1.20	65.00	0/3	47.65	23.73	22.69	45.38
PS4	PV49	532.95	532.25	70.23	1.20	1.20	65.00	0/3	47.93	23.87	22.83	45.65
PS5	PV53	530.61	529.38	70.52	1.20	1.20	65.00	0/3	48.13	23.96	22.92	45.84
PS6	PV57	526.01	524.76	69.46	1.20	1.20	65.00	0/3	47.40	23.60	22.57	45.15
PS7	PV42	526.63	524.73	88.92	1.20	1.20	65.00	0/3	60.69	30.22	28.90	57.80
PS8	PV61	519.79	518.66	71.06	1.20	1.20	65.00	0/3	48.50	24.15	23.09	46.19
PS9	PV218	527.12	526.63	69.10	1.20	1.20	65.00	0/3	47.16	23.48	22.46	44.91
PS10	PV222	526.63	524.00	96.10	1.20	1.20	65.00	0/3	65.59	32.66	31.23	62.47
PS11	PV124	517.46	516.09	72.12	1.20	1.20	65.00	0/3	49.22	24.51	23.44	46.88
PS12	PV63	532.33	532.09	72.14	1.20	1.32	65.00	0/3	52.04	24.52	26.25	46.89
PS13	PV64	532.25	531.42	71.09	1.20	1.20	65.00	0/3	48.52	24.16	23.10	46.21
PS14	PV68	529.38	527.88	70.59	1.20	1.20	65.00	0/3	48.18	23.99	22.94	45.88
PS15	PV72	524.76	523.29	70.28	1.20	1.20	65.00	0/3	47.97	23.88	22.84	45.68
PS16	PV76	518.66	517.96	69.86	1.20	1.20	65.00	0/3	47.68	23.74	22.70	45.41
PS17	PV79	531.42	530.42	69.96	1.20	1.20	65.00	0/3	47.75	23.77	22.74	45.47
PS18	PV82	527.88	526.45	68.73	1.20	1.20	65.00	0/3	46.91	23.36	22.34	44.68
PS19	PV86	523.29	521.73	70.79	1.20	1.20	65.00	0/3	48.31	24.06	23.01	46.01
PS20	PV90	517.96	516.67	70.91	1.20	1.20	65.00	0/3	48.40	24.10	23.05	46.09
PS21	PV93	527.10	524.70	91.03	1.20	1.20	65.00	0/3	62.13	30.93	29.58	59.17
PS22	PV93	526.45	524.70	70.60	1.20	1.20	65.00	0/3	48.19	23.99	22.95	45.89
PS23	PV96	521.73	520.18	70.52	1.20	1.20	65.00	0/3	48.13	23.96	22.92	45.83
PS24	PV100	516.67	515.42	70.41	1.20	1.20	65.00	0/3	48.05	23.93	22.88	45.77
PS25	PV103	522.53	520.53	90.74	1.20	1.20	65.00	0/3	61.93	30.84	29.49	58.98
PS26	PV1153	518.60	516.52	105.32	1.20	1.20	65.00	0/3	71.88	35.79	34.23	68.46
PS27	PV109	517.42	514.16	56.95	2.00	2.21	65.00	0/3	72.34	19.35	51.98	37.02
PS28	PV112	514.16	513.55	62.39	1.20	1.20	65.00	0/3	42.58	21.20	20.28	40.56
PS29	PV114	514.85	513.85	85.86	1.20	1.50	65.00	0/3	66.80	29.18	36.10	55.81
PS30	PV131	513.65	512.25	66.16	1.20	3.20	65.00	0/3	84.39	22.47	60.74	42.98
PS31	PV133	512.54	512.35	74.08	1.20	1.20	65.00	0/3	50.56	25.18	24.08	48.15
PS32	PV8	510.80	510.83	65.43	1.20	1.54	65.00	0/3	51.66	22.23	28.27	42.53
PS33	PV1107	522.40	521.48	68.43	1.20	1.20	65.00	0/3	46.71	23.26	22.24	44.48
PS34	PV141	509.89	509.87	66.16	1.20	1.51	65.00	0/3	51.69	22.48	28.04	43.00
PS35	PV144	512.54	510.63	71.72	2.50	3.90	65.00	0/3	140.89	24.37	115.25	46.61
PS36	PV153	504.22	503.27	58.42	1.30	1.20	65.00	0/3	41.75	19.85	20.87	37.97
PS37	PV155	504.65	502.65	98.87	1.20	1.20	65.00	0/3	67.48	33.60	32.13	64.27
PS38	PV145	509.79	509.74	46.13	1.20	2.45	65.00	0/3	48.99	15.67	32.51	29.97
PS39	PV119	510.10	509.79	103.92	1.20	2.45	65.00	0/3	110.37	35.31	73.22	67.54
PS40	PV159	508.74	508.52	76.75	1.20	1.50	65.00	0/3	59.71	26.08	32.27	49.89
PS41	PV162	506.88	506.56	79.51	1.20	1.20	65.00	0/3	54.27	27.02	25.84	51.68
PS42	PV176	510.26	508.74	72.13	1.20	1.50	65.00	0/3	56.12	24.51	30.33	46.89
PS43	PV171	510.26	509.41	91.08	1.20	1.20	65.00	0/3	62.16	30.95	29.60	59.20

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PS44	PV178	505.12	504.99	73.04	1.20	1.80	65.00	0/3	63.57	24.82	37.45	47.48
PS45	PV183	509.41	508.47	85.67	1.20	1.20	65.00	0/3	58.47	29.11	27.84	55.68
PS46	PV186	505.12	504.79	68.87	1.20	1.20	65.00	0/3	47.01	23.41	22.38	44.77
PS47	PV186	504.93	504.79	70.25	1.20	2.11	65.00	0/3	67.72	23.87	42.61	45.66
PS48	PV195	510.85	510.26	65.49	1.20	1.20	65.00	0/3	44.70	22.26	21.29	42.57
PS49	PV189	507.16	506.93	98.41	1.20	2.15	65.00	0/3	95.95	33.44	60.77	63.96
PS50	PV189	508.47	506.93	85.11	1.20	1.20	65.00	0/3	58.09	28.92	27.66	55.32
PS51	PV199	504.93	504.76	58.21	1.20	1.80	65.00	0/3	50.65	19.78	29.84	37.84
PS52	PV928	507.16	506.72	23.00	1.20	1.20	65.00	0/3	15.70	7.82	7.48	14.95
PS53	PV204	504.76	504.57	65.82	1.20	1.34	65.00	0/3	47.87	22.37	24.34	42.78
PS54	PV214	503.60	503.20	96.49	1.20	1.20	65.00	0/3	65.85	32.79	31.36	62.72
PS55	PV376	534.81	534.69	70.24	1.20	1.41	65.00	0/3	52.66	23.87	27.55	45.66
PS56	PV379	534.30	534.23	64.54	1.20	1.45	65.00	0/3	49.25	21.93	26.18	41.95
PS57	PV382	533.89	533.78	72.01	1.20	1.59	65.00	0/3	58.13	24.47	32.38	46.81
PS58	PV385	533.39	533.03	67.61	1.20	1.50	65.00	0/3	52.60	22.98	28.43	43.95
PS59	PV388	532.61	532.17	67.52	1.20	1.50	65.00	0/3	52.53	22.95	28.39	43.89
PS60	PV391	531.24	530.84	68.90	1.20	1.50	65.00	0/3	53.60	23.42	28.97	44.79
PS61	PV394	529.37	529.24	71.05	1.20	1.57	65.00	0/3	56.76	24.14	31.36	46.18
PS62	PV398	527.87	527.46	68.74	1.20	1.20	65.00	0/3	46.91	23.36	22.34	44.68
PS63	PV401	526.49	525.56	68.22	1.20	1.40	65.00	0/3	50.93	23.18	26.54	44.35
PS64	PV404	525.29	523.89	68.12	1.20	1.20	65.00	0/3	46.49	23.15	22.14	44.28
PS65	PV407	523.50	521.89	67.92	1.20	1.20	65.00	0/3	46.36	23.08	22.07	44.15
PS66	PV370	521.89	520.47	69.02	1.20	1.20	65.00	0/3	47.11	23.45	22.43	44.86
PS67	PV331	535.00	534.91	72.02	1.20	1.45	65.00	0/3	54.87	24.48	29.12	46.81
PS68	PV335	534.44	534.37	67.98	1.20	1.47	65.00	0/3	52.24	23.10	27.94	44.18
PS69	PV339	534.06	533.98	67.57	1.20	1.46	65.00	0/3	51.68	22.96	27.52	43.92
PS70	PV344	533.39	533.33	75.82	1.20	1.52	65.00	0/3	59.43	25.76	32.33	49.28
PS71	PV348	532.61	532.40	68.96	1.20	1.33	65.00	0/3	50.05	23.43	25.40	44.82
PS72	PV352	531.24	530.85	69.59	1.20	1.20	65.00	0/3	47.49	23.65	22.62	45.23
PS73	PV356	529.37	528.89	69.40	1.20	1.20	65.00	0/3	47.36	23.58	22.55	45.11
PS74	PV360	527.05	526.52	68.77	1.20	1.20	65.00	0/3	46.94	23.37	22.35	44.70
PS75	PV364	524.64	524.13	69.94	1.20	1.20	65.00	0/3	47.74	23.77	22.73	45.46
PS76	PV368	522.49	521.75	67.23	1.20	1.20	65.00	0/3	45.88	22.85	21.85	43.70
PS77	PV372	520.47	519.39	70.22	1.20	1.20	65.00	0/3	47.93	23.86	22.82	45.65
PS78	PV374	519.39	518.59	70.60	1.20	1.20	65.00	0/3	47.87	23.84	22.80	45.59
PS79	PV298	535.00	534.78	81.11	1.20	1.36	65.00	0/3	59.55	27.56	30.56	52.72
PS80	PV301	534.44	534.26	77.88	1.20	1.57	65.00	0/3	62.17	26.47	34.33	50.62
PS81	PV304	534.06	533.93	74.45	1.20	1.67	65.00	0/3	61.73	25.30	35.12	48.39
PS82	PV307	533.27	533.16	90.26	1.20	1.99	65.00	0/3	83.77	30.67	51.50	58.67
PS83	PV310	532.20	531.58	69.04	1.20	1.20	65.00	0/3	47.12	23.46	22.44	44.87
PS84	PV313	530.46	529.85	71.85	1.20	1.20	65.00	0/3	49.04	24.42	23.35	46.70
PS85	PV316	528.41	527.66	70.12	1.20	1.20	65.00	0/3	47.86	23.83	22.79	45.58
PS86	PV319	525.98	525.07	71.33	1.20	1.20	65.00	0/3	48.68	24.24	23.18	46.36
PS87	PV322	523.62	522.81	71.10	1.20	1.20	65.00	0/3	48.52	24.16	23.11	46.21
PS88	PV325	521.02	520.20	70.89	1.20	1.20	65.00	0/3	48.38	24.09	23.04	46.08
PS89	PV328	518.59	517.91	67.22	1.20	1.20	65.00	0/3	45.88	22.84	21.85	43.69
PS90	PV632	517.91	515.11	80.54	1.20	1.20	65.00	0/3	54.97	27.37	26.17	52.35
PS91	PV265	534.57	533.35	73.10	1.20	1.20	65.00	0/3	49.89	24.84	23.76	47.52
PS92	PV277	534.08	532.67	74.89	1.20	2.00	65.00	0/3	69.67	25.45	42.90	48.68
PS93	PV280	533.79	532.09	73.44	1.20	1.20	65.00	0/3	50.12	24.96	23.87	47.74
PS94	PV283	533.05	531.25	66.90	1.20	1.20	65.00	0/3	45.66	22.73	21.74	43.48
PS95	PV286	530.97	529.59	66.75	1.20	1.20	65.00	0/3	45.56	22.68	21.69	43.39
PS96	PV289	529.24	527.91	66.65	1.20	1.20	65.00	0/3	45.49	22.65	21.66	43.32
PS97	PV292	526.90	525.34	76.13	1.20	1.20	65.00	0/3	51.96	25.87	24.74	49.49

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PS98	PV295	524.16	523.22	59.88	1.20	1.40	65.00	0/3	44.70	20.35	23.30	38.92
PS99	PV238	530.94	529.89	69.47	1.20	1.20	65.00	0/3	47.42	23.61	22.58	45.16
PS100	PV251	528.69	527.43	66.07	1.20	1.20	65.00	0/3	45.09	22.45	21.47	42.94
PS101	PV255	525.26	523.54	65.68	1.20	1.20	65.00	0/3	44.82	22.32	21.35	42.69
PS102	PV240	529.89	528.85	72.60	1.20	1.20	65.00	0/3	49.55	24.67	23.59	47.19
PS103	PV230	527.43	526.44	68.74	1.20	1.20	65.00	0/3	46.91	23.36	22.34	44.68
PS104	PV243	523.54	522.06	69.45	1.20	1.20	65.00	0/3	47.40	23.60	22.57	45.14
PS105	PV231	526.44	524.13	70.66	1.20	1.20	65.00	0/3	48.23	24.01	22.96	45.93
PS106	PV235	522.06	520.42	59.16	1.20	1.20	65.00	0/3	40.38	20.10	19.23	38.45
PS107	PV233	520.42	518.75	56.54	1.20	1.20	65.00	0/3	38.59	19.21	18.37	36.75
PS108	PV918	520.77	518.77	69.58	1.20	1.20	65.00	0/3	47.49	23.65	22.61	45.23
PS109	PV916	520.77	519.02	93.01	1.20	1.20	65.00	0/3	63.48	31.61	30.23	60.46
PS110	PV922	517.27	516.06	64.96	1.20	1.20	65.00	0/3	44.34	22.08	21.11	42.22
PS111	PV260	517.27	515.70	53.02	1.20	1.20	65.00	0/3	36.19	18.02	17.23	34.46
PS112	PV927	509.89	508.18	84.39	1.20	1.20	65.00	0/3	57.60	28.68	27.43	54.85
PS113	PV944	507.35	506.70	87.16	1.20	1.20	65.00	0/3	59.49	29.62	28.33	56.66
PS114	PV947	507.30	505.86	67.65	1.20	1.20	65.00	0/3	46.17	22.99	21.98	43.97
PS115	PV930	505.86	504.35	79.08	1.20	1.20	65.00	0/3	53.97	26.87	25.70	51.40
PS116	PV932	503.99	503.06	55.66	1.20	1.20	65.00	0/3	37.99	18.92	18.09	36.18
PS117	PV951	505.34	503.99	67.37	1.20	1.20	65.00	0/3	45.32	22.90	21.24	43.79
PS118	PV926	511.14	509.89	72.15	1.20	2.00	65.00	0/3	67.12	24.52	41.33	46.90
PS119	PV945	508.57	507.30	71.19	1.20	1.20	65.00	0/3	48.59	24.19	23.14	46.28
PS120	PV949	506.48	505.37	71.10	1.20	1.20	65.00	0/3	48.53	24.16	23.11	46.22
PS121	PV961	510.13	508.44	71.10	1.20	1.20	65.00	0/3	48.53	24.16	23.11	46.22
PS122	PV963	508.14	506.48	70.79	1.20	1.20	65.00	0/3	48.32	24.06	23.01	46.02
PS123	PV966	506.44	504.81	70.38	1.20	1.20	65.00	0/3	48.04	23.92	22.87	45.75
PS124	PV954	504.81	503.79	71.19	1.20	3.64	65.00	0/3	99.50	24.18	74.06	46.25
PS125	PV977	515.14	512.87	87.95	1.20	1.20	65.00	0/3	60.03	29.89	28.59	57.17
PS126	PV982	512.97	511.22	74.75	1.20	1.20	65.00	0/3	51.02	25.40	24.29	48.59
PS127	PV980	515.14	512.97	69.37	1.20	1.20	65.00	0/3	47.34	23.57	22.54	45.09
PS128	PV986	511.38	509.79	62.99	1.20	1.20	65.00	0/3	42.99	21.41	20.47	40.94
PS129	PV991	509.88	508.72	50.93	1.20	1.20	65.00	0/3	34.76	17.31	16.55	33.11
PS130	PV984	512.39	511.38	74.10	1.20	1.20	65.00	0/3	50.57	25.18	24.08	48.16
PS131	PV996	507.71	506.44	73.16	1.20	1.20	65.00	0/3	49.93	24.86	23.78	47.55
PS132	PV974	504.81	503.02	91.56	1.20	1.50	65.00	0/3	71.23	31.12	38.50	59.52
PS133	PV937	503.05	501.99	64.65	1.20	1.20	65.00	0/3	44.12	21.97	21.01	42.02
PS134	PV994	509.29	507.71	71.99	1.20	1.20	65.00	0/3	49.13	24.46	23.40	46.79
PS135	PV1002	504.81	504.34	74.90	1.20	1.20	65.00	0/3	51.12	25.45	24.34	48.69
PS136	PV734	513.93	512.64	66.82	1.20	1.20	65.00	0/3	45.60	22.71	21.72	43.43
PS137	PV737	510.01	509.29	70.11	1.20	1.20	65.00	0/3	47.85	23.83	22.79	45.57
PS138	PV631	515.09	513.93	70.87	1.20	1.20	65.00	0/3	48.37	24.09	23.03	46.07
PS139	PV730	511.19	510.01	71.60	1.20	1.20	65.00	0/3	48.87	24.33	23.27	46.54
PS140	PV724	512.72	511.19	69.65	1.20	1.20	65.00	0/3	47.54	23.67	22.64	45.27
PS141	PV628	516.49	515.09	69.89	1.20	1.20	65.00	0/3	47.70	23.75	22.71	45.43
PS142	PV625	518.19	516.49	68.99	1.20	1.20	65.00	0/3	47.08	23.44	22.42	44.84
PS143	PV713	514.45	512.72	69.93	1.20	1.20	65.00	0/3	47.73	23.77	22.73	45.46
PS144	PV622	520.04	518.19	69.43	1.20	1.20	65.00	0/3	47.39	23.59	22.57	45.13
PS145	PV701	516.16	514.45	69.95	1.20	1.20	65.00	0/3	47.74	23.77	22.73	45.47
PS146	PV443	534.73	534.51	73.50	1.20	1.51	65.00	0/3	57.41	24.98	31.13	47.78
PS147	PV469	533.66	533.19	72.44	1.20	1.20	65.00	0/3	49.44	24.62	23.54	47.09
PS148	PV471	531.73	531.50	71.88	1.20	1.33	65.00	0/3	52.05	24.43	26.35	46.72
PS149	PV393	530.09	529.12	69.74	1.20	1.20	65.00	0/3	47.59	23.70	22.66	45.33
PS150	PV399	528.39	526.49	70.19	1.20	1.20	65.00	0/3	47.90	23.85	22.81	45.62
PS151	PV405	525.34	523.50	71.49	1.20	1.20	65.00	0/3	48.79	24.29	23.23	46.47

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PS152	PV411	539.90	539.31	77.16	1.20	1.20	65.00	0/3	52.66	26.22	25.08	50.16
PS153	PV418	539.60	538.96	81.50	1.20	1.20	65.00	0/3	55.63	27.70	26.49	52.98
PS154	PV412	538.96	538.88	69.61	1.20	2.50	65.00	0/3	74.95	23.65	50.07	45.24
PS155	PV413	538.19	538.05	69.76	1.20	3.08	65.00	0/3	86.44	23.70	61.51	45.33
PS156	PV437	537.32	537.21	69.80	1.20	3.48	65.00	0/3	94.47	23.71	69.53	45.35
PS157	PV439	536.39	536.38	69.99	1.20	3.82	65.00	0/3	101.28	23.77	76.27	45.46
PS158	PV441	535.53	535.52	69.69	1.20	3.96	65.00	0/3	103.51	23.67	78.61	45.27
PS159	PV443	534.55	534.51	69.61	1.20	3.99	65.00	0/3	103.95	23.64	79.09	45.21
PS160	PV469	533.44	533.19	70.49	1.20	3.72	65.00	0/3	100.07	23.94	74.88	45.79
PS161	PV471	532.01	531.50	71.45	1.20	3.20	65.00	0/3	91.14	24.27	65.61	46.42
PS162	PV473	531.41	530.09	70.43	1.20	3.00	65.00	0/3	85.88	23.92	60.71	45.76
PS163	PV475	530.09	528.39	70.01	1.20	1.20	65.00	0/3	47.79	23.79	22.75	45.51
PS164	PV477	527.17	525.34	69.15	1.20	1.20	65.00	0/3	47.19	23.50	22.47	44.95
PS165	PV418	539.02	538.96	85.05	1.20	1.57	65.00	0/3	67.90	28.90	37.49	55.28
PS166	PV421	538.52	538.51	76.36	1.20	1.57	65.00	0/3	61.11	25.95	33.81	49.63
PS167	PV423	538.52	538.01	71.57	1.20	3.20	65.00	0/3	91.29	24.31	65.71	46.50
PS168	PV423	537.70	538.01	68.06	1.20	1.85	65.00	0/3	60.26	23.13	35.93	44.24
PS169	PV424	538.19	538.10	77.76	1.20	1.50	65.00	0/3	60.47	26.43	32.67	50.54
PS170	PV430	537.71	537.63	77.73	1.20	1.51	65.00	0/3	60.68	26.42	32.89	50.53
PS171	PV433	537.32	537.23	81.59	1.20	1.52	65.00	0/3	63.93	27.73	34.76	53.03
PS172	PV454	536.82	536.79	80.96	1.20	1.57	65.00	0/3	64.87	27.51	35.92	52.62
PS173	PV456	536.41	536.40	77.00	1.20	1.57	65.00	0/3	61.70	26.17	34.17	50.05
PS174	PV459	535.98	535.94	77.20	1.20	1.55	65.00	0/3	61.17	26.24	33.57	50.18
PS175	PV461	535.64	535.58	77.09	1.20	1.53	65.00	0/3	60.58	26.20	33.02	50.11
PS176	PV464	535.27	535.18	79.45	1.20	1.51	65.00	0/3	61.98	27.00	33.58	51.64
PS177	PV467	534.87	534.71	79.44	1.20	1.44	65.00	0/3	60.24	27.00	31.84	51.64
PS178	PV480	534.50	534.32	83.22	1.20	1.44	65.00	0/3	63.08	28.28	33.33	54.09
PS179	PV484	534.13	533.78	79.42	1.20	1.40	65.00	0/3	59.29	26.99	30.90	51.62
PS180	PV489	533.66	533.12	74.94	1.20	1.20	65.00	0/3	51.15	25.47	24.36	48.71
PS181	PV493	533.36	532.69	79.02	1.20	1.20	65.00	0/3	53.93	26.85	25.68	51.36
PS182	PV498	533.04	532.34	79.08	1.20	1.20	65.00	0/3	53.97	26.87	25.70	51.40
PS183	PV502	532.90	532.16	79.05	1.20	1.40	65.00	0/3	59.01	26.86	30.75	51.38
PS184	PV507	532.55	531.73	79.04	1.20	1.60	65.00	0/3	63.95	26.86	35.69	51.38
PS185	PV511	532.13	531.11	79.01	1.20	1.80	65.00	0/3	68.75	26.85	40.51	51.35
PS186	PV516	531.34	530.12	78.90	1.20	1.60	65.00	0/3	63.83	26.81	35.62	51.28
PS187	PV520	530.32	528.59	88.18	1.20	1.20	65.00	0/3	60.18	29.97	28.66	57.32
PS188	PV522	528.59	527.17	69.37	1.20	1.20	65.00	0/3	47.35	23.57	22.55	45.09
PS189	PV547	537.56	537.30	69.95	1.20	1.27	65.00	0/3	49.30	23.77	24.29	45.47
PS190	PV550	537.13	536.95	78.41	1.20	1.41	65.00	0/3	58.84	26.65	30.81	50.97
PS191	PV553	536.77	536.64	78.49	1.20	1.46	65.00	0/3	60.60	26.67	32.08	51.02
PS192	PV555	536.41	536.23	83.87	1.20	1.44	65.00	0/3	63.65	28.50	33.67	54.52
PS193	PV557	535.98	535.80	78.91	1.20	1.41	65.00	0/3	59.28	26.82	31.06	51.29
PS194	PV561	534.87	534.64	80.11	1.20	1.37	65.00	0/3	59.06	27.22	30.42	52.07
PS195	PV563	534.50	534.05	79.55	1.20	1.20	65.00	0/3	54.29	27.03	25.85	51.71
PS196	PV565	534.13	533.45	79.72	1.20	1.20	65.00	0/3	54.41	27.09	25.91	51.82
PS197	PV567	533.66	533.06	79.87	1.20	1.20	65.00	0/3	54.51	27.14	25.96	51.92
PS198	PV569	533.36	533.14	80.04	1.20	1.62	65.00	0/3	65.26	27.20	36.64	52.03
PS199	PV571	533.04	532.78	80.22	1.20	1.34	65.00	0/3	58.39	27.26	29.71	52.14
PS200	PV573	533.05	532.97	80.57	1.20	1.68	65.00	0/3	67.26	27.38	38.46	52.37
PS201	PV576	532.55	532.35	80.46	1.20	1.80	65.00	0/3	70.12	27.34	41.36	52.30
PS202	PV578	532.13	531.60	80.57	1.20	1.20	65.00	0/3	54.99	27.38	26.18	52.37
PS203	PV580	531.34	530.90	80.66	1.20	1.20	65.00	0/3	55.05	27.41	26.21	52.43
PS204	PV585	528.83	529.45	83.19	1.20	2.21	65.00	0/3	82.59	28.27	52.85	54.07
PS205	PV585	530.20	529.45	101.68	1.20	1.20	65.00	0/3	69.40	34.55	33.05	66.09

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PS206	PV598	530.20	528.88	89.48	1.20	1.20	65.00	0/3	61.07	30.41	29.08	58.16
PS207	PV595	529.87	529.13	81.72	1.20	2.00	65.00	0/3	76.02	27.77	46.81	53.11
PS208	PV596	529.05	527.71	67.48	1.20	2.00	65.00	0/3	62.78	22.93	38.65	43.86
PS209	PV597	527.41	526.17	50.95	1.20	2.00	65.00	0/3	47.39	17.31	29.18	33.11
PS210	PV619	521.79	520.04	71.05	1.20	1.20	65.00	0/3	48.49	24.15	23.09	46.18
PS211	PV695	517.86	516.16	70.63	1.20	1.20	65.00	0/3	48.20	24.00	22.95	45.91
PS212	PV615	523.34	521.79	68.51	1.20	1.20	65.00	0/3	46.76	23.28	22.26	44.53
PS213	PV690	519.62	517.86	68.92	1.20	1.20	65.00	0/3	47.04	23.42	22.40	44.80
PS214	PV693	516.08	514.10	69.56	1.20	1.20	65.00	0/3	47.47	23.64	22.61	45.21
PS215	PV611	525.07	523.34	70.94	1.20	1.20	65.00	0/3	48.42	24.11	23.06	46.11
PS216	PV673	521.58	519.62	72.09	1.20	1.20	65.00	0/3	49.20	24.50	23.43	46.86
PS217	PV676	518.05	516.08	72.91	1.20	2.74	65.00	0/3	83.54	24.77	57.48	47.38
PS218	PV607	527.03	525.07	89.95	1.20	1.20	65.00	0/3	61.39	30.57	29.23	58.47
PS219	PV661	523.81	521.58	90.65	1.20	1.20	65.00	0/3	61.87	30.81	29.46	58.92
PS220	PV679	516.84	514.61	73.58	1.20	1.20	65.00	0/3	50.22	25.01	23.91	47.83
PS221	PV682	514.92	513.19	51.52	1.20	1.20	65.00	0/3	35.16	17.51	16.74	33.49
PS222	PV683	512.03	511.90	60.34	1.20	1.35	65.00	0/3	44.16	20.50	22.59	39.22
PS223	PV689	511.28	509.81	39.55	2.00	3.17	65.00	0/3	61.96	13.43	47.83	25.70
PS224	PV707	510.12	508.16	70.47	1.20	1.20	65.00	0/3	48.10	23.95	22.90	45.81
PS225	PV720	508.16	506.04	69.90	1.20	1.20	65.00	0/3	47.71	23.75	22.72	45.44
PS226	PV800	506.04	503.97	68.79	1.20	1.20	65.00	0/3	46.95	23.38	22.36	44.71
PS227	PV812	503.97	502.59	62.42	1.20	1.20	65.00	0/3	42.60	21.21	20.29	40.57
PS228	PV774	510.26	507.51	64.03	1.70	1.51	65.00	0/3	60.53	21.76	37.64	41.62
PS229	PV777	506.66	505.96	48.09	1.20	1.20	65.00	0/3	32.82	16.34	15.63	31.26
PS230	PV722	505.05	505.02	84.13	1.20	2.45	65.00	0/3	89.39	28.59	59.31	54.68
PS231	PV816	501.22	501.64	56.05	1.20	1.90	65.00	0/3	50.46	19.05	30.42	36.43
PS232	PV815	503.32	501.22	68.76	2.00	3.60	65.00	0/3	116.56	23.36	91.99	44.68
PS233	PV824	504.22	502.75	43.72	1.20	1.20	65.00	0/3	29.84	14.86	14.21	28.42
PS234	PV829	501.28	500.54	61.90	1.20	1.20	65.00	0/3	42.25	21.04	20.12	40.24
PS235	PV830	501.17	499.41	68.29	1.20	2.00	65.00	0/3	63.52	23.20	39.11	44.38
PS236	PV772	509.10	505.75	55.16	2.00	2.41	65.00	0/3	73.55	18.74	53.84	35.85
PS237	PV783	506.92	504.92	63.39	1.20	1.80	65.00	0/3	55.16	21.54	32.50	41.20
PS238	PV787	504.51	502.93	65.73	1.20	1.20	65.00	0/3	44.86	22.34	21.36	42.73
PS239	PV789	502.93	502.34	54.41	1.20	1.20	65.00	0/3	37.13	18.49	17.68	35.37
PS240	PV791	503.36	501.76	62.04	2.00	2.87	65.00	0/3	91.58	21.08	69.40	40.33
PS241	PV664	520.85	518.05	90.95	1.20	1.20	65.00	0/3	62.07	30.91	29.56	59.12
PS242	PV658	518.51	516.58	57.29	1.20	1.20	65.00	0/3	39.10	19.47	18.62	37.24
PS243	PV660	516.50	514.15	57.09	2.00	2.60	65.00	0/3	79.52	19.40	59.11	37.11
PS244	PV745	512.68	511.15	64.40	1.20	1.20	65.00	0/3	43.95	21.88	20.93	41.86
PS245	PV749	510.34	508.53	61.31	1.20	1.20	65.00	0/3	41.84	20.83	19.92	39.85
PS246	PV753	508.45	506.57	55.98	1.20	1.20	65.00	0/3	38.21	19.02	18.19	36.39
PS247	PV756	506.14	504.80	58.67	1.20	1.50	65.00	0/3	45.64	19.94	24.67	38.13
PS248	PV759	503.97	503.09	61.39	1.20	1.50	65.00	0/3	47.76	20.86	25.81	39.90
PS249	PV760	502.96	501.75	72.00	1.20	1.20	65.00	0/3	49.14	24.47	23.40	46.80
PS250	PV767	500.89	499.96	85.04	1.20	1.20	65.00	0/3	58.04	28.90	27.64	55.28
PS251	PV761	500.76	500.73	96.77	1.20	2.50	65.00	0/3	104.21	32.88	69.62	62.90
PS252	PV795	500.77	499.86	70.55	1.20	1.20	65.00	0/3	48.15	23.98	22.93	45.86
PS253	PV841	499.96	498.96	79.20	1.20	1.50	65.00	0/3	61.61	26.91	33.30	51.48
PS254	PV914	500.62	500.36	31.20	1.20	1.20	65.00	0/3	21.30	10.60	10.60	20.28
PS255	PV912	502.22	501.53	67.91	1.20	1.80	65.00	0/3	59.09	23.08	34.82	44.14
PS256	PV911	504.60	503.80	62.82	1.20	1.50	65.00	0/3	48.87	21.35	26.42	40.84
PS257	PV910	505.94	504.83	64.67	1.20	1.20	65.00	0/3	44.13	21.98	21.02	42.03
PS258	PV909	508.42	507.45	63.91	1.20	1.20	65.00	0/3	43.62	21.72	20.77	41.54
PS259	PV908	511.40	510.60	64.84	1.20	1.20	65.00	0/3	44.25	22.03	21.07	42.15



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PS260	PV873	513.96	512.31	60.31	1.20	1.80	65.00	0/3	52.48	20.49	30.92	39.20
PS261	PV870	516.19	514.40	61.79	1.20	1.20	65.00	0/3	42.17	21.00	20.08	40.16
PS262	PV642	514.40	512.68	62.32	1.20	1.20	65.00	0/3	42.53	21.18	20.25	40.51
PS263	PV866	520.69	518.59	63.75	1.20	1.20	65.00	0/3	43.51	21.66	20.72	41.44
PS264	PV639	518.59	516.50	62.63	1.20	1.20	65.00	0/3	42.75	21.28	20.36	40.71
PS265	PV863	522.70	520.64	62.31	1.20	1.20	65.00	0/3	42.53	21.18	20.25	40.50
PS266	PV637	520.64	518.51	61.80	1.20	1.20	65.00	0/3	42.18	21.00	20.09	40.17
PS267	PV859	524.69	522.65	62.89	1.20	1.20	65.00	0/3	42.92	21.37	20.44	40.88
PS268	PV635	522.65	520.85	62.59	1.20	1.20	65.00	0/3	42.72	21.27	20.34	40.68
PS269	PV857	526.33	523.91	63.55	1.20	1.20	65.00	0/3	43.37	21.60	20.65	41.31
PS270	PV874	527.96	526.33	70.59	1.20	1.20	65.00	0/3	48.18	23.99	22.94	45.88
PS271	PV1007	529.17	527.96	71.44	1.20	1.20	65.00	0/3	48.75	24.28	23.22	46.43
PS272	PV1010	528.10	526.48	71.63	1.20	1.20	65.00	0/3	48.88	24.34	23.28	46.56
PS273	PV876	526.48	524.69	70.16	1.20	1.20	65.00	0/3	47.88	23.84	22.80	45.60
PS274	PV879	524.90	522.70	69.75	1.20	1.20	65.00	0/3	47.60	23.70	22.67	45.34
PS275	PV1013	526.94	524.90	72.09	1.20	1.20	65.00	0/3	49.20	24.50	23.43	46.86
PS276	PV882	522.64	520.69	68.33	1.20	1.20	65.00	0/3	46.64	23.22	22.21	44.42
PS277	PV1016	524.60	522.64	71.14	1.20	1.20	65.00	0/3	48.55	24.18	23.12	46.24
PS278	PV1020	520.64	518.53	71.17	1.20	1.20	65.00	0/3	48.58	24.19	23.13	46.26
PS279	PV886	518.53	516.19	69.87	1.20	1.20	65.00	0/3	47.69	23.75	22.71	45.42
PS280	PV1023	517.84	516.18	71.75	1.20	1.20	65.00	0/3	48.97	24.38	23.32	46.64
PS281	PV889	516.18	513.96	70.91	1.20	1.20	65.00	0/3	48.40	24.10	23.05	46.09
PS282	PV1026	514.71	512.97	72.17	1.20	2.01	65.00	0/3	67.35	24.52	41.55	46.91
PS283	PV1064	511.43	510.07	66.35	1.20	1.40	65.00	0/3	49.53	22.55	25.81	43.12
PS284	PV1065	508.01	507.13	71.15	1.20	1.20	65.00	0/3	48.56	24.18	23.12	46.25
PS285	PV1066	505.76	505.61	72.15	1.20	1.77	65.00	0/3	62.16	24.52	36.36	46.89
PS286	PV1067	503.13	502.79	74.53	1.20	1.20	65.00	0/3	50.87	25.33	24.22	48.45
PS287	PV1068	501.79	501.47	77.16	1.20	1.27	65.00	0/3	54.30	26.22	26.72	50.15
PS288	PV1072	524.31	522.65	80.86	1.20	1.50	65.00	0/3	62.91	27.48	34.00	52.56
PS289	PV1101	521.41	519.81	76.84	1.20	1.40	65.00	0/3	57.36	26.11	29.89	49.94
PS290	PV1100	518.43	516.57	72.93	1.20	1.40	65.00	0/3	54.45	24.78	28.37	47.40
PS291	PV1099	514.87	513.15	80.61	1.20	1.40	65.00	0/3	60.18	27.39	31.36	52.40
PS292	PV1098	510.49	509.25	83.08	1.20	1.20	65.00	0/3	56.70	28.23	27.00	54.00
PS293	PV1097	508.41	507.25	80.78	1.20	1.20	65.00	0/3	55.13	27.45	26.25	52.51
PS294	PV1096	504.55	503.77	74.11	1.20	1.20	65.00	0/3	50.58	25.19	24.09	48.17
PS295	PV1095	502.04	501.96	80.53	1.20	2.25	65.00	0/3	80.79	27.36	52.01	52.34
PS296	PV1103	526.58	525.45	62.18	1.20	1.20	65.00	0/3	42.44	21.13	20.21	40.41
PS297	PV1104	525.03	524.28	66.27	1.20	1.20	65.00	0/3	45.23	22.52	21.54	43.08
PS298	PV1124	524.28	522.90	71.88	1.20	1.20	65.00	0/3	49.06	24.43	23.36	46.72
PS299	PV1123	521.48	520.03	71.06	1.20	1.20	65.00	0/3	48.50	24.15	23.10	46.19
PS300	PV1122	517.77	516.54	67.14	1.20	1.20	65.00	0/3	45.82	22.82	21.82	43.64
PS301	PV1110	517.78	517.77	69.20	1.20	2.25	65.00	0/3	69.23	23.51	44.49	44.98
PS302	PV1121	513.12	511.89	63.12	1.20	1.20	65.00	0/3	43.08	21.45	20.52	41.03
PS303	PV1113	513.57	513.12	84.77	1.20	1.20	65.00	0/3	57.86	28.81	27.55	55.10
PS304	PV1120	510.53	509.63	64.42	1.20	1.20	65.00	0/3	43.97	21.89	20.94	41.87
PS305	PV188	533.47	532.99	75.84	1.20	2.71	65.00	0/3	86.24	25.77	59.14	49.29
PS306	PV1126	532.33	531.69	81.02	1.20	3.10	65.00	0/3	101.09	27.53	72.13	52.65
PS307	PV105	520.18	518.60	69.95	1.20	1.20	65.00	0/3	47.74	23.77	22.73	45.47
PS308	PV1073	524.31	522.93	62.06	1.20	1.20	65.00	0/3	42.35	21.09	20.17	40.34
PS309	PV1029	529.17	528.67	62.08	1.20	1.20	65.00	0/3	42.37	21.10	20.18	40.35
PS310	PS311	495.95	494.15	123.18	3.55	3.00	70.00	0/3	269.11	53.50	200.13	86.23
PS310	PV845	495.95	495.90	113.20	3.55	2.93	70.00	0/3	244.59	49.17	181.20	79.24
PS311	PS312	494.15	488.85	122.63	3.00	2.50	70.00	0/3	222.84	53.26	154.17	85.84
PS312	PS313	488.85	482.38	92.01	2.50	1.80	70.00	0/3	128.14	39.96	76.62	64.40

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PV1	PV180	502.44	502.06	73.08	2.35	1.82	65.00	0/3	91.61	26.20	63.11	47.50
PV1	PV187	502.44	503.49	64.44	2.68	2.33	65.00	0/3	98.43	21.90	75.40	41.88
PV1	PV193	502.44	502.43	75.15	2.68	2.82	65.00	0/3	126.86	26.95	97.55	48.85
PV2	PV3	533.84	533.48	87.01	1.37	2.27	65.00	0/3	93.32	29.57	62.21	56.55
PV3	PV188	533.48	532.99	84.37	2.27	2.71	65.00	0/3	128.17	28.67	98.01	54.84
PV4	PV354	527.05	529.37	71.47	2.50	2.50	65.00	0/3	109.18	24.29	83.63	46.46
PV4	PV362	527.05	524.64	76.87	2.50	2.50	65.00	0/3	117.42	26.12	89.94	49.97
PV4	PV398	527.05	527.46	73.71	2.50	1.20	65.00	0/3	79.37	25.04	53.02	47.90
PV5	PV6	534.32	533.82	71.03	1.31	2.00	65.00	0/3	68.86	24.14	43.47	46.17
PV5	PVT3	534.32	534.49	55.98	1.31	1.20	65.00	0/3	40.19	19.02	20.18	36.39
PV6	PV7	533.82	533.47	75.88	2.00	2.60	65.00	0/3	105.66	25.79	78.54	49.32
PV7	PV9	533.47	532.99	50.58	2.60	2.60	65.00	0/3	80.47	17.19	62.39	32.88
PV8	PV143	510.83	510.77	74.09	1.54	3.26	65.00	0/3	105.55	25.17	79.06	48.15
PV9	PV11	532.99	532.33	108.53	2.60	2.95	65.00	0/3	185.04	36.88	146.24	70.55
PV10	PV188	532.38	532.99	80.66	2.99	2.71	65.00	0/3	141.41	27.41	112.58	52.43
PV10	PV1126	532.38	531.69	79.67	2.99	3.18	65.00	0/3	151.88	27.07	123.39	51.79
PV11	PV14	532.33	531.57	80.20	2.95	2.90	65.00	0/3	144.66	27.25	115.99	52.13
PV13	PV21	530.78	528.94	105.51	3.41	2.73	65.00	0/3	200.01	35.85	162.29	68.58
PV13	PV1126	530.78	531.69	103.90	3.41	3.18	65.00	0/3	212.46	35.31	175.31	67.54
PV14	PV15	531.57	530.35	88.43	2.90	2.45	65.00	0/3	144.95	30.05	113.33	57.48
PV15	PV16	530.35	528.63	71.11	2.45	2.00	65.00	0/3	95.72	24.16	70.30	46.22
PV16	PV17	528.63	527.10	65.36	2.00	2.00	65.00	0/3	78.60	22.21	55.23	42.48
PV17	PV18	527.10	525.24	54.05	2.00	2.00	65.00	0/3	65.00	18.37	45.67	35.13
PV18	PV19	525.24	523.38	55.37	2.00	2.00	65.00	0/3	66.58	18.82	46.79	35.99
PV19	PV20	523.38	522.53	42.90	2.00	2.40	65.00	0/3	57.07	14.58	41.74	27.88
PV20	PV27	522.53	519.43	101.54	2.40	2.20	65.00	0/3	141.85	34.51	105.55	66.00
PV21	PV22	528.94	526.83	80.69	2.73	2.51	65.00	0/3	129.62	27.42	100.77	52.45
PV22	PV23	526.83	524.52	87.83	2.51	2.51	65.00	0/3	134.77	29.85	103.37	57.09
PV23	PV24	524.52	521.84	80.32	2.51	2.21	65.00	0/3	115.32	27.29	86.61	52.20
PV24	PV25	521.84	519.84	77.45	2.21	2.21	65.00	0/3	103.75	26.32	76.06	50.34
PV25	PV26	519.84	517.26	80.32	2.21	1.80	65.00	0/3	96.76	27.30	68.05	52.21
PV26	PV1153	517.26	516.52	94.95	1.80	2.01	65.00	0/3	108.38	32.27	74.44	61.72
PV27	PV1153	519.43	516.52	111.24	2.20	2.00	65.00	0/3	140.94	37.80	101.17	72.31
PV29	PV30	533.72	533.52	77.80	1.42	2.30	65.00	0/3	85.52	26.44	57.71	50.56
PV30	PV31	533.52	533.34	65.50	2.30	2.77	65.00	0/3	101.47	22.26	78.06	42.57
PV31	PV32	533.34	532.95	73.93	2.77	3.10	65.00	0/3	133.99	25.12	107.56	48.05
PV32	PV35	532.95	532.39	73.39	3.10	3.20	65.00	0/3	143.34	24.94	117.11	47.70
PV35	PV36	532.39	531.64	74.18	3.20	3.00	65.00	0/3	142.45	25.21	115.93	48.21
PV36	PV37	531.64	530.61	73.91	3.00	2.50	65.00	0/3	124.95	25.12	98.53	48.04
PV37	PV39	530.61	529.47	62.80	2.50	2.50	65.00	0/3	96.13	21.34	73.68	40.82
PV39	PV40	529.47	528.14	67.34	2.50	2.50	65.00	0/3	103.07	22.88	79.00	43.77
PV40	PV41	528.14	526.01	84.34	2.50	2.00	65.00	0/3	115.12	28.66	84.97	54.82
PV41	PV42	526.01	524.73	57.46	2.00	2.00	65.00	0/3	69.28	19.53	48.74	37.35
PV42	PV43	524.73	521.91	77.42	2.00	1.80	65.00	0/3	88.27	26.31	60.59	50.32
PV43	PV44	521.91	519.79	84.39	1.80	1.50	65.00	0/3	82.41	28.68	52.24	54.85
PV44	PV45	519.79	518.29	63.50	1.50	1.30	65.00	0/3	51.64	21.58	28.94	41.28
PV45	PV122	518.29	517.46	68.52	1.30	1.20	65.00	0/3	48.97	23.28	24.48	44.54
PV46	PV47	533.18	533.07	77.03	1.20	2.25	65.00	0/3	77.25	26.18	49.71	50.07
PV47	PV48	533.07	532.78	67.43	2.25	2.77	65.00	0/3	103.20	22.91	79.10	43.83
PV48	PV49	532.78	532.25	72.38	2.77	3.04	65.00	0/3	129.47	24.60	103.59	47.05
PV49	PV51	532.25	531.54	73.39	3.04	3.06	65.00	0/3	138.43	24.94	112.20	47.70
PV51	PV52	531.54	530.58	73.23	3.06	2.96	65.00	0/3	136.23	24.88	110.05	47.60
PV52	PV53	530.58	529.38	72.96	2.96	2.76	65.00	0/3	128.52	24.80	102.43	47.43
PV53	PV55	529.38	528.00	64.22	2.76	2.42	65.00	0/3	101.79	21.82	78.83	41.74

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PV55	PV56	528.00	526.53	87.15	2.42	2.46	65.00	0/3	129.70	29.62	98.54	56.65
PV56	PV57	526.53	524.76	64.66	2.46	1.98	65.00	0/3	86.87	21.97	63.75	42.03
PV57	PV59	524.76	522.73	78.90	1.98	1.50	65.00	0/3	81.39	26.81	53.18	51.28
PV59	PV60	522.73	520.71	72.59	1.50	1.21	65.00	0/3	56.67	24.67	30.72	47.19
PV60	PV61	520.71	518.66	67.94	1.21	1.21	65.00	0/3	46.59	23.09	22.30	44.16
PV61	PV62	518.66	517.08	61.88	1.21	1.21	65.00	0/3	42.44	21.03	20.31	40.22
PV62	PV124	517.08	516.09	70.50	1.21	1.21	65.00	0/3	48.35	23.96	23.14	45.83
PV63	PV64	532.09	531.42	67.24	1.32	1.80	65.00	0/3	61.34	22.85	37.30	43.70
PV64	PV66	531.42	530.38	73.39	1.80	1.80	65.00	0/3	78.71	24.94	52.47	47.70
PV66	PV67	530.38	529.16	73.23	1.80	1.80	65.00	0/3	78.53	24.88	52.36	47.60
PV67	PV68	529.16	527.88	71.07	1.80	1.80	65.00	0/3	76.22	24.15	50.82	46.20
PV68	PV70	527.88	526.42	78.30	1.80	1.80	65.00	0/3	83.97	26.61	55.98	50.89
PV70	PV71	526.42	524.94	67.61	1.80	1.80	65.00	0/3	72.52	22.98	48.34	43.95
PV71	PV72	524.94	523.29	71.69	1.80	1.80	65.00	0/3	76.89	24.36	51.26	46.60
PV72	PV74	523.29	521.52	77.92	1.80	1.80	65.00	0/3	83.57	26.48	55.71	50.65
PV74	PV75	521.52	519.82	72.59	1.80	1.80	65.00	0/3	77.86	24.67	51.90	47.19
PV75	PV76	519.82	517.96	69.07	1.80	1.80	65.00	0/3	74.08	23.47	49.39	44.90
PV76	PV77	517.96	516.22	88.51	1.80	1.80	65.00	0/3	94.93	30.08	63.29	57.53
PV77	PV78	516.22	513.81	89.98	1.80	1.50	65.00	0/3	87.58	30.58	55.41	58.49
PV78	PV92	513.81	513.64	78.94	1.50	1.80	65.00	0/3	76.83	26.82	48.61	51.31
PV78	PV124	513.81	516.09	90.83	1.21	1.21	65.00	0/3	62.29	30.87	29.82	59.04
PV79	PV80	530.42	529.14	73.40	1.20	1.20	65.00	0/3	50.09	24.94	23.85	47.71
PV80	PV81	529.14	527.87	73.23	1.20	1.20	65.00	0/3	49.98	24.89	23.80	47.60
PV81	PV82	527.87	526.45	70.55	1.20	1.20	65.00	0/3	48.15	23.98	22.93	45.86
PV82	PV84	526.45	524.81	73.92	1.20	1.20	65.00	0/3	50.45	25.12	24.02	48.05
PV84	PV85	524.81	523.24	71.61	1.20	1.20	65.00	0/3	48.87	24.34	23.27	46.55
PV85	PV86	523.24	521.73	72.24	1.20	1.20	65.00	0/3	49.30	24.55	23.48	46.95
PV86	PV88	521.73	520.11	77.41	1.20	1.20	65.00	0/3	52.84	26.31	25.16	50.32
PV88	PV89	520.11	518.48	72.59	1.20	1.20	65.00	0/3	49.55	24.67	23.59	47.19
PV89	PV90	518.48	516.67	69.74	1.20	1.20	65.00	0/3	47.60	23.70	22.66	45.33
PV90	PV91	516.67	515.25	73.54	1.20	1.20	65.00	0/3	50.19	24.99	23.90	47.80
PV91	PV92	515.25	513.64	75.87	1.20	1.20	65.00	0/3	51.78	25.78	24.66	49.31
PV92	PV102	513.64	512.91	80.60	1.80	1.80	65.00	0/3	86.44	27.39	57.63	52.39
PV93	PV94	524.70	523.15	77.03	1.20	1.20	65.00	0/3	52.57	26.18	25.04	50.07
PV94	PV95	523.15	521.60	72.48	1.20	1.20	65.00	0/3	49.47	24.63	23.56	47.11
PV95	PV96	521.60	520.18	68.85	1.20	1.20	65.00	0/3	46.99	23.40	22.38	44.75
PV96	PV98	520.18	518.60	76.83	1.20	1.20	65.00	0/3	52.43	26.11	24.97	49.94
PV98	PV99	518.60	516.96	72.59	1.20	1.20	65.00	0/3	49.55	24.67	23.59	47.19
PV99	PV100	516.96	515.42	70.48	1.20	1.20	65.00	0/3	48.10	23.95	22.91	45.81
PV100	PV101	515.42	514.15	56.39	1.20	1.20	65.00	0/3	38.48	19.16	18.33	36.65
PV101	PV102	514.15	512.91	63.38	1.20	1.20	65.00	0/3	43.26	21.54	20.60	41.20
PV102	PV112	512.91	513.55	67.06	2.30	1.20	65.00	0/3	68.31	22.79	44.34	43.58
PV102	PV120	512.91	512.24	63.13	2.30	2.30	65.00	0/3	88.23	21.45	65.66	41.04
PV103	PV105	520.53	518.60	85.74	1.20	1.20	65.00	0/3	58.52	29.14	27.86	55.73
PV105	PV107	518.60	516.54	95.18	1.20	1.20	65.00	0/3	64.96	32.34	30.93	61.87
PV107	PV108	516.54	514.36	102.71	1.20	1.20	65.00	0/3	70.10	34.90	33.38	66.76
PV108	PV109	514.36	514.16	25.31	2.01	2.21	65.00	0/3	32.24	8.60	23.19	16.45
PV108	PV111	514.36	515.27	72.01	2.01	2.01	65.00	0/3	87.09	24.47	61.35	46.81
PV109	PV116	514.16	512.53	91.83	2.21	3.21	65.00	0/3	151.87	31.21	119.04	59.69
PV110	PV111	516.18	515.27	79.08	2.01	2.01	65.00	0/3	95.65	26.87	67.37	51.40
PV110	PV1153	516.18	516.52	75.06	2.01	2.01	65.00	0/3	90.78	25.51	63.95	48.79
PV114	PV115	513.85	512.92	85.62	1.50	2.20	65.00	0/3	93.93	29.10	63.32	55.65
PV115	PV116	512.92	512.53	78.15	2.20	3.20	65.00	0/3	128.68	26.55	100.74	50.79
PV116	PV117	512.53	512.03	13.14	3.21	3.01	65.00	0/3	25.28	4.46	20.58	8.54

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PV117	PV118	512.03	510.71	63.61	3.20	2.80	65.00	0/3	117.74	21.62	95.00	41.35
PV117	PV121	512.03	511.50	72.36	3.20	2.20	65.00	0/3	119.15	24.59	93.29	47.03
PV118	PV119	510.71	509.79	39.48	2.80	2.45	65.00	0/3	63.46	13.42	49.35	25.66
PV119	PV160	509.79	508.08	70.98	2.45	2.80	65.00	0/3	114.09	24.12	88.72	46.14
PV120	PV121	512.24	511.50	57.67	2.30	2.20	65.00	0/3	78.71	19.60	58.09	37.48
PV122	PV224	517.46	519.47	54.11	1.20	1.64	65.00	0/3	44.44	18.39	25.10	35.17
PV122	PV225	517.46	516.91	114.25	1.20	1.35	65.00	0/3	83.48	38.83	42.64	74.26
PV131	PV132	512.25	510.80	71.70	3.22	2.63	65.00	0/3	129.23	24.37	103.59	46.61
PV131	PV135	512.25	512.31	69.28	3.22	2.45	65.00	0/3	120.58	23.54	95.81	45.03
PV132	PV139	510.80	509.89	41.11	2.63	2.13	65.00	0/3	59.56	13.97	44.87	26.72
PV133	PV135	512.35	512.31	74.09	1.20	2.45	65.00	0/3	78.74	25.17	52.26	48.15
PV139	PV140	509.89	508.28	70.65	2.13	1.22	65.00	0/3	69.16	24.01	43.91	45.92
PV140	PV146	508.28	508.27	72.13	1.22	1.94	65.00	0/3	66.33	24.51	40.55	46.88
PV141	PV142	509.87	509.82	74.09	1.51	2.79	65.00	0/3	94.72	25.17	68.24	48.15
PV142	PV145	509.82	509.74	77.79	2.79	3.90	65.00	0/3	160.82	26.43	133.01	50.56
PV143	PV144	510.77	510.63	77.90	3.26	3.90	65.00	0/3	173.39	26.47	145.55	50.63
PV144	PV145	510.63	509.74	40.73	3.90	3.90	65.00	0/3	99.29	13.84	84.72	26.48
PV145	PV148	509.74	508.24	70.93	3.90	3.00	65.00	0/3	151.77	24.10	126.41	46.10
PV146	PV147	508.27	508.30	74.08	1.94	2.62	65.00	0/3	101.90	25.17	75.42	48.15
PV147	PV148	508.30	508.24	75.82	2.62	3.22	65.00	0/3	136.03	25.77	108.92	49.28
PV148	PV149	508.24	506.33	95.06	3.22	2.22	65.00	0/3	157.65	32.30	123.66	61.79
PV149	PV150	506.33	505.17	108.77	2.22	2.52	65.00	0/3	156.82	36.96	117.93	70.70
PV150	PV151	505.17	502.54	89.74	2.52	1.53	65.00	0/3	108.13	30.49	76.05	58.33
PV151	PV155	502.54	502.65	37.60	1.51	1.44	65.00	0/3	32.45	12.78	19.01	24.44
PV151	PV166	502.54	502.54	50.16	1.53	1.66	65.00	0/3	47.17	17.05	29.23	32.60
PV153	PV154	503.27	503.03	84.20	1.20	1.36	65.00	0/3	61.68	28.61	31.58	54.73
PV154	PV155	503.03	502.65	99.78	1.36	1.44	65.00	0/3	81.07	33.91	45.40	64.86
PV159	PV160	508.52	508.08	81.64	1.50	2.80	65.00	0/3	104.20	27.74	75.02	53.06
PV160	PV161	508.08	504.45	84.43	2.80	1.25	65.00	0/3	99.96	28.69	69.78	54.87
PV161	PV162	504.45	506.56	79.51	1.30	1.20	65.00	0/3	56.83	27.02	28.41	51.68
PV161	PV164	504.45	505.26	72.06	1.30	2.80	65.00	0/3	86.57	24.48	60.81	46.83
PV164	PV165	505.26	503.81	79.07	2.80	2.30	65.00	0/3	123.13	26.87	94.86	51.40
PV165	PV166	503.81	502.54	57.56	2.30	1.64	65.00	0/3	67.72	19.56	47.14	37.41
PV166	PV167	502.54	502.30	66.35	1.66	1.55	65.00	0/3	62.89	23.79	37.01	43.13
PV167	PV168	502.30	501.97	63.77	1.55	1.35	65.00	0/3	53.98	22.87	29.11	41.45
PV168	PV169	501.97	502.06	51.22	1.35	1.54	65.00	0/3	43.19	18.37	23.22	33.29
PV169	PV178	502.06	504.99	97.42	1.63	1.80	65.00	0/3	99.08	33.11	64.25	63.32
PV169	PV179	502.06	502.08	63.71	1.63	1.78	65.00	0/3	64.34	22.85	39.49	41.41
PV171	PV172	509.41	507.39	102.34	1.20	1.74	65.00	0/3	87.14	34.78	50.56	66.52
PV172	PV173	507.39	505.12	90.35	1.74	1.73	65.00	0/3	93.05	30.70	60.75	58.73
PV173	PV181	505.12	503.68	71.88	1.73	2.09	65.00	0/3	82.03	24.43	56.33	46.72
PV176	PV177	508.74	506.88	83.16	1.50	1.72	65.00	0/3	78.81	28.26	49.08	54.05
PV177	PV178	506.88	504.99	74.74	1.72	1.80	65.00	0/3	78.21	25.40	51.49	48.58
PV179	PV180	502.08	502.06	31.88	1.78	1.82	65.00	0/3	34.18	11.43	21.75	20.72
PV180	PV181	502.06	503.68	59.24	1.82	2.09	65.00	0/3	69.44	20.13	48.26	38.51
PV183	PV184	508.47	506.53	74.68	1.20	1.20	65.00	0/3	50.97	25.38	24.27	48.54
PV184	PV186	506.53	504.79	82.78	1.20	1.80	65.00	0/3	72.03	28.13	42.44	53.80
PV186	PV187	504.79	503.49	66.33	2.11	2.33	65.00	0/3	89.22	22.54	65.51	43.11
PV189	PV190	506.93	505.76	64.84	2.15	2.10	65.00	0/3	83.28	22.04	60.10	42.15
PV189	PV197	506.93	507.87	27.98	2.15	2.10	65.00	0/3	35.93	9.51	25.92	18.19
PV190	PV191	505.76	504.93	59.07	2.10	2.30	65.00	0/3	78.71	20.07	57.59	38.39
PV191	PV192	504.93	503.53	68.28	2.30	2.30	65.00	0/3	95.47	23.21	71.06	44.39
PV192	PV193	503.53	502.43	62.30	2.30	2.49	65.00	0/3	90.91	21.17	68.63	40.50
PV193	PV202	502.43	502.31	26.51	2.82	2.75	65.00	0/3	45.39	9.51	35.05	17.23

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PV195	PV196	510.26	509.61	86.36	1.20	2.45	65.00	0/3	91.75	29.35	60.88	56.13
PV196	PV197	509.61	507.87	63.20	2.45	2.10	65.00	0/3	87.20	21.48	64.61	41.08
PV198	PV199	507.16	504.76	80.53	1.20	1.80	65.00	0/3	70.07	27.36	41.28	52.34
PV199	PV201	504.76	503.11	63.00	1.80	1.75	65.00	0/3	66.55	21.41	44.03	40.95
PV201	PV202	503.11	502.31	62.99	1.75	2.42	65.00	0/3	78.84	21.40	56.32	40.94
PV202	PV203	502.31	501.88	71.99	2.75	2.46	65.00	0/3	114.93	25.81	86.86	46.79
PV203	PV205	501.88	503.60	73.32	2.13	1.82	65.00	0/3	86.88	24.92	60.66	47.66
PV203	PV207	501.88	501.68	79.65	2.46	2.42	65.00	0/3	118.77	28.56	87.71	51.77
PV204	PV205	504.57	503.60	51.59	1.34	1.82	65.00	0/3	47.72	17.53	29.28	33.53
PV207	PV208	501.68	501.43	89.64	2.42	2.35	65.00	0/3	130.43	32.14	95.47	58.27
PV208	PV209	501.43	501.45	82.22	2.35	2.54	65.00	0/3	122.64	29.48	90.58	53.44
PV209	PV210	501.45	500.70	29.68	2.54	1.85	65.00	0/3	39.20	10.64	27.63	19.29
PV210	PV211	500.70	501.04	63.56	1.85	2.31	65.00	0/3	79.56	22.79	54.77	41.31
PV211	PV212	501.04	501.71	63.42	2.31	3.11	65.00	0/3	105.19	22.74	80.46	41.22
PV212	PV213	501.71	501.94	12.06	3.11	3.37	65.00	0/3	24.19	4.32	19.49	7.84
PV213	PV933	501.94	503.60	91.71	3.41	4.33	65.00	0/3	221.07	31.16	188.29	59.61
PV213	PV934	501.94	501.55	77.23	3.41	3.17	65.00	0/3	157.49	28.84	124.87	50.20
PV213	PV955	501.94	502.47	31.40	3.40	3.49	65.00	0/3	67.24	10.67	56.02	20.41
PV214	PV215	503.20	503.23	97.65	1.20	2.79	65.00	0/3	113.28	33.18	78.37	63.46
PV215	PV931	503.23	503.70	71.81	2.80	2.40	65.00	0/3	114.23	24.40	88.56	46.68
PV215	PV932	503.23	503.06	29.94	2.80	2.90	65.00	0/3	52.46	10.18	41.75	19.46
PV218	PV220	526.63	522.84	92.92	1.20	1.20	65.00	0/3	63.42	31.58	30.20	60.40
PV220	PV223	522.84	520.74	103.34	1.20	1.68	65.00	0/3	86.26	35.12	49.31	67.17
PV222	PV223	524.00	520.74	93.15	1.20	1.68	65.00	0/3	77.65	31.65	44.35	60.54
PV223	PV224	520.74	519.47	53.28	1.68	1.64	65.00	0/3	52.34	18.11	33.29	34.63
PV225	PV226	516.91	516.08	70.45	1.81	1.67	65.00	0/3	72.80	23.94	47.61	45.79
PV225	PV233	516.91	518.75	73.63	1.81	1.51	65.00	0/3	72.08	25.02	45.76	47.86
PV226	PV227	516.08	515.43	55.80	1.67	1.67	65.00	0/3	55.10	18.96	35.15	36.27
PV227	PV228	515.43	513.28	85.19	1.67	1.21	65.00	0/3	71.02	28.95	40.56	55.37
PV227	PV237	515.43	516.33	61.21	1.67	1.20	65.00	0/3	50.84	20.80	28.95	39.78
PV228	PV263	513.28	511.14	104.36	1.21	1.21	65.00	0/3	71.83	35.46	34.53	67.83
PV230	PV240	526.44	528.85	132.19	1.20	1.20	65.00	0/3	90.22	44.92	42.96	85.93
PV230	PV241	526.44	524.92	75.12	1.20	1.20	65.00	0/3	51.27	25.53	24.41	48.82
PV231	PV232	524.13	520.61	127.66	1.20	1.51	65.00	0/3	99.71	43.38	54.07	82.98
PV232	PV233	520.61	518.75	54.41	1.51	1.51	65.00	0/3	48.11	18.49	28.66	35.37
PV235	PV236	520.42	518.47	89.06	1.20	1.20	65.00	0/3	60.78	30.27	28.95	57.89
PV236	PV237	518.47	516.33	89.76	1.20	1.20	65.00	0/3	61.26	30.50	29.17	58.34
PV238	PV250	529.89	528.66	61.71	1.20	1.20	65.00	0/3	42.12	20.97	20.06	40.11
PV241	PV242	524.92	523.82	73.11	1.20	1.20	65.00	0/3	49.90	24.85	23.76	47.52
PV242	PV243	523.82	522.06	74.81	1.20	1.20	65.00	0/3	51.06	25.42	24.31	48.63
PV243	PV245	522.06	519.49	89.54	1.20	1.20	65.00	0/3	61.11	30.43	29.10	58.20
PV245	PV246	519.49	517.45	89.92	1.20	1.20	65.00	0/3	61.37	30.56	29.22	58.45
PV246	PV247	517.45	516.65	49.66	1.20	1.20	65.00	0/3	33.89	16.87	16.14	32.28
PV247	PV261	516.65	514.43	97.71	1.20	1.20	65.00	0/3	66.69	33.21	31.76	63.51
PV248	PV266	530.94	532.13	74.16	2.20	2.00	65.00	0/3	93.95	25.20	67.44	48.20
PV248	PV267	530.94	529.81	71.98	2.20	2.50	65.00	0/3	102.85	24.46	77.12	46.79
PV250	PV251	528.66	527.43	81.89	1.20	1.20	65.00	0/3	55.89	27.83	26.61	53.23
PV251	PV253	527.43	526.13	75.74	1.20	1.20	65.00	0/3	51.69	25.74	24.62	49.23
PV253	PV254	526.13	524.84	73.11	1.20	1.20	65.00	0/3	49.90	24.85	23.76	47.52
PV254	PV255	524.84	523.54	74.81	1.20	1.20	65.00	0/3	51.06	25.42	24.31	48.63
PV255	PV257	523.54	521.34	89.79	1.20	1.20	65.00	0/3	61.28	30.51	29.18	58.36
PV257	PV258	521.34	519.51	89.89	1.20	1.20	65.00	0/3	61.35	30.55	29.21	58.43
PV258	PV259	519.51	517.89	52.11	3.00	2.50	65.00	0/3	87.92	17.71	69.29	33.87
PV258	PV275	519.51	520.25	71.55	3.00	2.00	65.00	0/3	108.45	24.31	82.87	46.50

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PV259	PV260	517.89	515.70	98.33	2.50	2.50	65.00	0/3	150.19	33.41	115.04	63.91
PV260	PV924	515.70	513.30	104.63	2.50	2.50	65.00	0/3	159.83	35.56	122.42	68.01
PV261	PV262	514.43	512.37	98.25	1.20	1.20	65.00	0/3	67.05	33.39	31.93	63.86
PV262	PV263	512.37	511.14	76.19	1.20	1.20	65.00	0/3	52.00	25.89	24.76	49.52
PV263	PV958	511.14	509.56	73.76	1.21	1.21	65.00	0/3	50.77	25.07	24.40	47.95
PV265	PV266	533.35	532.13	81.85	1.20	2.00	65.00	0/3	76.14	27.81	46.88	53.20
PV267	PV268	529.81	528.69	85.10	2.50	2.50	65.00	0/3	129.99	28.92	99.57	55.32
PV267	PV278	529.81	531.24	71.67	2.50	2.53	65.00	0/3	110.17	24.35	84.55	46.58
PV268	PV270	528.69	527.65	69.39	2.50	2.15	65.00	0/3	97.99	23.58	73.19	45.10
PV268	PV281	528.69	530.39	74.23	2.15	1.50	65.00	0/3	80.30	25.22	53.77	48.25
PV270	PV271	527.65	526.53	69.75	2.15	2.15	65.00	0/3	90.68	23.70	65.74	45.34
PV270	PV284	527.65	529.45	80.18	1.20	1.20	65.00	0/3	54.72	27.25	26.06	52.11
PV271	PV272	526.53	525.26	82.70	2.15	2.15	65.00	0/3	107.51	28.10	77.95	53.76
PV271	PV287	526.53	528.01	73.58	2.15	1.40	65.00	0/3	77.02	25.00	50.71	47.82
PV272	PV274	525.26	522.87	92.46	2.15	2.20	65.00	0/3	121.70	31.42	88.64	60.10
PV272	PV290	525.26	526.59	65.58	2.15	2.00	65.00	0/3	82.03	22.28	58.59	42.62
PV274	PV275	522.87	520.25	87.56	2.20	2.00	65.00	0/3	110.93	29.75	79.63	56.91
PV275	PV296	520.25	522.29	78.03	2.00	2.60	65.00	0/3	108.68	26.51	80.79	50.72
PV277	PV278	532.67	531.24	81.50	2.00	2.53	65.00	0/3	111.64	27.70	82.51	52.97
PV280	PV281	532.09	530.39	81.52	1.20	1.50	65.00	0/3	63.42	27.70	34.28	52.99
PV283	PV284	531.25	529.45	77.53	1.20	1.20	65.00	0/3	52.91	26.35	25.20	50.39
PV286	PV287	529.59	528.01	77.52	1.20	1.40	65.00	0/3	57.88	26.34	30.16	50.39
PV289	PV290	527.91	526.59	77.53	1.20	2.00	65.00	0/3	72.12	26.34	44.41	50.39
PV292	PV293	525.34	523.79	83.91	1.20	2.20	65.00	0/3	83.02	28.51	53.03	54.54
PV293	PV296	523.79	522.29	107.18	2.20	2.60	65.00	0/3	156.55	36.42	118.23	69.67
PV295	PV296	523.22	522.29	54.94	1.40	2.50	65.00	0/3	63.24	18.66	43.60	35.70
PV298	PV299	534.78	534.57	76.01	1.36	2.90	65.00	0/3	95.26	25.83	68.09	49.40
PV299	PV302	534.57	534.08	73.05	2.90	3.10	65.00	0/3	135.26	24.82	109.14	47.48
PV301	PV302	534.26	534.08	73.58	1.57	3.10	65.00	0/3	102.27	25.00	75.97	47.81
PV302	PV305	534.08	533.79	76.74	3.10	3.50	65.00	0/3	157.04	26.08	129.61	49.88
PV304	PV305	533.93	533.79	70.89	1.67	3.20	65.00	0/3	103.24	24.09	77.90	46.07
PV305	PV308	533.79	533.05	77.31	3.50	3.50	65.00	0/3	168.38	26.27	140.74	50.25
PV307	PV308	533.16	533.05	55.93	1.99	3.20	65.00	0/3	87.99	19.00	68.00	36.34
PV308	PV311	533.05	530.97	67.12	3.50	2.50	65.00	0/3	123.72	22.81	99.72	43.62
PV310	PV311	531.58	530.97	77.05	1.20	2.50	65.00	0/3	82.97	26.18	55.43	50.08
PV311	PV314	530.97	529.23	82.09	2.50	2.50	65.00	0/3	125.17	27.90	95.82	53.36
PV313	PV314	529.85	529.23	76.85	1.20	2.50	65.00	0/3	82.54	26.11	55.07	49.95
PV314	PV317	529.23	526.90	74.87	2.50	2.50	65.00	0/3	114.15	25.44	87.38	48.66
PV316	PV317	527.66	526.90	77.86	1.20	2.50	65.00	0/3	83.85	26.46	56.02	50.60
PV317	PV320	526.90	524.16	88.51	2.50	2.50	65.00	0/3	135.23	30.08	103.59	57.53
PV319	PV320	525.07	524.16	77.39	1.20	2.50	65.00	0/3	83.34	26.30	55.68	50.30
PV320	PV323	524.16	522.00	59.03	2.50	2.50	65.00	0/3	90.19	20.06	69.09	38.37
PV322	PV323	522.81	522.00	76.10	1.20	2.50	65.00	0/3	81.95	25.86	54.75	49.46
PV323	PV326	522.00	519.38	76.69	2.50	2.50	65.00	0/3	117.17	26.06	89.76	49.85
PV325	PV326	520.20	519.38	75.85	1.20	2.50	65.00	0/3	81.68	25.77	54.57	49.30
PV326	PV329	519.38	516.81	78.16	2.50	2.20	65.00	0/3	111.71	26.56	83.77	50.80
PV328	PV329	517.91	516.81	78.57	1.20	2.45	65.00	0/3	83.48	26.70	55.39	51.07
PV329	PV633	516.81	514.52	90.08	2.45	2.20	65.00	0/3	127.31	30.61	95.10	58.55
PV330	PV331	534.81	534.91	76.11	3.10	1.45	65.00	0/3	102.35	25.86	75.15	49.46
PV330	PV334	534.81	534.30	74.75	3.10	3.40	65.00	0/3	150.57	25.40	123.84	48.59
PV333	PV337	535.00	534.44	73.62	1.20	1.20	65.00	0/3	50.25	25.02	23.93	47.86
PV334	PV335	534.30	534.37	80.15	3.20	1.47	65.00	0/3	110.71	27.23	82.06	52.09
PV334	PV338	534.30	533.89	75.90	3.40	3.75	65.00	0/3	168.87	25.79	141.74	49.33
PV337	PV341	534.44	534.06	76.21	1.20	2.34	65.00	0/3	78.62	25.90	51.38	49.53

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PV338	PV339	533.89	533.98	80.55	3.20	1.46	65.00	0/3	110.95	27.37	82.16	52.34
PV338	PV343	533.89	533.39	81.31	3.75	3.75	65.00	0/3	190.26	27.63	161.19	52.85
PV341	PV345	534.06	533.27	82.21	2.35	2.70	65.00	0/3	126.79	27.94	97.40	53.43
PV343	PV346	533.39	532.61	63.68	3.75	3.50	65.00	0/3	143.80	21.64	121.04	41.39
PV344	PV345	533.33	533.27	69.71	1.52	2.70	65.00	0/3	87.43	23.69	62.51	45.31
PV345	PV349	533.27	532.20	61.37	2.70	2.70	65.00	0/3	101.72	20.86	79.78	39.89
PV346	PV350	532.61	531.24	79.15	3.50	3.00	65.00	0/3	159.30	26.90	131.01	51.44
PV348	PV349	532.40	532.20	77.22	1.33	2.70	65.00	0/3	91.66	26.24	64.06	50.18
PV349	PV353	532.20	530.46	82.20	2.70	2.50	65.00	0/3	131.12	27.93	101.74	53.43
PV350	PV354	531.24	529.37	75.02	3.00	2.50	65.00	0/3	126.60	25.50	99.78	48.77
PV352	PV353	530.85	530.46	74.64	1.20	2.50	65.00	0/3	80.37	25.36	53.69	48.51
PV353	PV357	530.46	528.41	74.32	2.50	2.30	65.00	0/3	108.89	25.26	82.32	48.31
PV356	PV357	528.89	528.41	74.86	1.20	2.50	65.00	0/3	80.61	25.44	53.85	48.65
PV357	PV361	528.41	525.98	71.81	2.50	2.15	65.00	0/3	101.46	24.40	75.79	46.68
PV360	PV361	526.52	525.98	75.82	1.20	2.40	65.00	0/3	79.53	25.76	52.43	49.28
PV361	PV365	525.98	523.62	76.70	2.40	2.16	65.00	0/3	106.11	26.06	78.69	49.85
PV362	PV366	524.64	522.49	75.34	2.50	2.50	65.00	0/3	115.08	25.60	88.15	48.97
PV362	PV401	524.64	525.56	73.98	2.50	1.40	65.00	0/3	85.17	25.14	58.72	48.08
PV364	PV365	524.13	523.62	74.92	1.20	2.40	65.00	0/3	78.51	25.46	51.73	48.69
PV365	PV369	523.62	521.02	75.39	2.40	2.15	65.00	0/3	104.12	25.62	77.17	49.00
PV366	PV370	522.49	520.47	76.81	2.50	2.50	65.00	0/3	117.32	26.10	89.87	49.92
PV366	PV404	522.49	523.89	73.88	2.50	1.20	65.00	0/3	79.55	25.10	53.15	48.01
PV368	PV369	521.75	521.02	77.95	1.20	2.40	65.00	0/3	81.68	26.49	53.82	50.66
PV369	PV374	521.02	518.59	78.05	2.40	2.15	65.00	0/3	107.80	26.52	79.89	50.73
PV370	PV624	520.47	518.48	87.63	2.50	2.50	65.00	0/3	133.85	29.78	102.53	56.96
PV372	PV627	519.39	517.25	86.69	1.20	2.09	65.00	0/3	83.06	29.46	52.07	56.34
PV374	PV630	518.59	516.05	93.46	2.15	2.15	65.00	0/3	121.62	31.76	88.21	60.75
PV376	PV377	534.69	534.73	69.23	1.41	3.04	65.00	0/3	90.89	23.52	66.15	44.99
PV377	PV380	534.73	534.16	75.36	3.04	3.50	65.00	0/3	152.73	25.61	125.79	48.98
PV379	PV380	534.23	534.16	75.42	1.45	3.20	65.00	0/3	103.68	25.62	76.72	49.01
PV380	PV383	534.16	533.66	75.00	3.50	3.78	65.00	0/3	170.00	25.49	143.19	48.75
PV382	PV383	533.78	533.66	68.46	1.59	3.20	65.00	0/3	97.76	23.26	73.29	44.49
PV383	PV386	533.66	532.67	81.71	3.78	3.46	65.00	0/3	184.04	27.77	154.83	53.11
PV385	PV386	533.03	532.67	73.44	1.50	3.20	65.00	0/3	102.27	24.95	76.02	47.72
PV386	PV387	532.67	531.73	68.94	3.46	3.21	65.00	0/3	142.52	23.43	117.87	44.81
PV387	PV388	531.73	532.17	72.18	3.20	1.50	65.00	0/3	100.52	24.52	74.72	46.90
PV387	PV390	531.73	530.43	72.29	3.21	3.21	65.00	0/3	143.60	24.56	117.76	46.99
PV390	PV391	530.43	530.84	73.97	3.20	1.50	65.00	0/3	103.02	25.13	76.58	48.07
PV390	PV393	530.43	529.12	75.73	3.21	3.21	65.00	0/3	150.44	25.73	123.37	49.22
PV393	PV394	529.12	529.24	71.60	3.20	1.57	65.00	0/3	101.60	24.33	76.01	46.53
PV393	PV396	529.12	527.87	70.70	3.21	3.21	65.00	0/3	140.46	24.03	115.18	45.96
PV396	PV399	527.87	526.49	77.47	3.21	3.21	65.00	0/3	153.91	26.33	126.21	50.36
PV399	PV402	526.49	525.29	75.34	3.21	3.21	65.00	0/3	149.66	25.60	122.73	48.97
PV402	PV405	525.29	523.50	75.56	3.21	2.51	65.00	0/3	132.53	25.67	105.52	49.11
PV405	PV618	523.50	521.92	88.39	2.51	2.31	65.00	0/3	129.59	30.04	97.99	57.46
PV407	PV621	521.89	520.11	88.70	1.20	2.08	65.00	0/3	84.65	30.60	52.94	57.65
PV411	PV412	539.31	538.88	75.60	1.20	2.50	65.00	0/3	81.41	25.69	54.39	49.13
PV412	PV414	538.88	538.53	73.84	2.50	2.89	65.00	0/3	121.99	25.09	95.59	48.00
PV413	PV414	538.05	538.53	72.16	3.08	2.89	65.00	0/3	132.80	24.52	107.00	46.90
PV413	PV415	538.05	537.63	75.52	3.08	3.30	65.00	0/3	148.94	25.66	121.94	49.09
PV415	PV437	537.63	537.21	75.95	3.30	3.48	65.00	0/3	159.89	25.81	132.74	49.36
PV418	PV420	538.96	538.50	73.55	1.57	3.37	65.00	0/3	107.75	24.99	81.46	47.79
PV420	PV421	538.50	538.51	83.08	3.37	1.57	65.00	0/3	122.04	28.23	92.35	53.99
PV420	PV426	538.50	538.19	72.58	3.37	3.74	65.00	0/3	160.55	24.66	134.61	47.18

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PV423	PV424	538.01	538.10	87.74	3.20	1.50	65.00	0/3	122.19	29.81	90.83	57.02
PV423	PV428	538.01	537.56	75.63	3.20	3.40	65.00	0/3	154.83	25.70	127.79	49.16
PV426	PV431	538.19	537.71	75.35	3.74	3.94	65.00	0/3	180.70	25.61	153.77	48.98
PV428	PV430	537.56	537.63	86.59	3.40	1.51	65.00	0/3	125.90	29.42	94.95	56.27
PV428	PV432	537.56	537.13	75.24	3.40	3.50	65.00	0/3	161.39	25.57	134.49	48.91
PV431	PV435	537.71	537.32	76.08	3.94	4.14	65.00	0/3	192.34	25.85	165.15	49.45
PV432	PV433	537.13	537.23	82.67	3.50	1.52	65.00	0/3	122.88	28.09	93.34	53.72
PV432	PV453	537.13	536.77	73.74	3.50	3.58	65.00	0/3	162.55	25.06	136.19	47.93
PV435	PV444	537.32	536.82	74.03	4.14	4.14	65.00	0/3	191.99	25.16	165.53	48.12
PV437	PV438	537.21	536.78	74.05	3.48	3.65	65.00	0/3	164.33	25.16	137.85	48.13
PV438	PV439	536.78	536.38	76.42	3.65	3.82	65.00	0/3	177.92	25.97	150.60	49.67
PV439	PV440	536.38	535.90	76.47	3.82	3.81	65.00	0/3	182.18	25.99	154.84	49.71
PV440	PV441	535.90	535.52	75.59	3.81	3.96	65.00	0/3	183.48	25.69	156.46	49.13
PV441	PV442	535.52	535.02	72.89	3.96	3.97	65.00	0/3	180.77	24.77	154.71	47.38
PV442	PV443	535.02	534.51	75.30	3.97	3.99	65.00	0/3	187.41	25.59	160.49	48.95
PV443	PV468	534.51	533.85	76.49	3.99	3.87	65.00	0/3	187.82	25.99	160.47	49.72
PV444	PV445	536.82	536.39	75.46	4.14	4.24	65.00	0/3	198.10	25.64	171.12	49.05
PV445	PV447	536.39	535.89	74.95	4.24	4.19	65.00	0/3	197.94	25.47	171.15	48.72
PV445	PV456	536.39	536.40	87.01	3.77	1.57	65.00	0/3	137.88	29.56	106.78	56.54
PV447	PV448	535.89	535.53	75.41	4.19	4.27	65.00	0/3	199.89	25.63	172.93	49.02
PV447	PV459	535.89	535.94	87.17	3.77	1.55	65.00	0/3	137.28	29.61	106.13	56.64
PV448	PV450	535.53	535.08	75.41	4.27	4.24	65.00	0/3	201.10	25.63	174.14	49.01
PV448	PV461	535.53	535.58	87.24	3.87	1.53	65.00	0/3	139.18	29.64	108.00	56.69
PV450	PV451	535.08	534.55	75.08	4.24	4.24	65.00	0/3	199.49	25.51	172.65	48.80
PV450	PV464	535.08	535.18	84.71	3.87	1.51	65.00	0/3	134.47	28.78	104.20	55.04
PV451	PV467	534.55	534.71	84.48	3.87	1.44	65.00	0/3	131.74	28.70	101.55	54.89
PV451	PV481	534.55	534.14	76.99	4.24	4.24	65.00	0/3	204.56	26.16	177.04	50.04
PV453	PV454	536.77	536.79	83.15	3.50	1.57	65.00	0/3	125.36	28.25	95.64	54.04
PV453	PV455	536.77	536.41	74.28	3.58	3.60	65.00	0/3	166.21	25.24	139.65	48.28
PV455	PV457	536.41	535.98	76.46	3.60	3.60	65.00	0/3	171.59	25.98	144.25	49.70
PV457	PV460	535.98	535.64	75.32	3.60	3.80	65.00	0/3	173.90	25.60	146.97	48.96
PV460	PV462	535.64	535.27	75.41	3.80	3.90	65.00	0/3	181.47	25.63	154.51	49.01
PV462	PV465	535.27	534.87	74.15	3.90	3.90	65.00	0/3	180.86	25.20	154.35	48.20
PV465	PV478	534.87	534.50	76.62	3.90	3.90	65.00	0/3	186.88	26.04	159.49	49.80
PV468	PV469	533.85	533.19	73.73	3.87	3.72	65.00	0/3	174.61	25.06	148.25	47.93
PV469	PV470	533.19	532.34	80.30	3.72	3.50	65.00	0/3	180.64	27.29	151.94	52.19
PV470	PV471	532.34	531.50	70.36	3.50	3.21	65.00	0/3	146.47	23.91	121.31	45.73
PV471	PV472	531.50	530.79	78.93	3.21	3.21	65.00	0/3	156.79	26.82	128.57	51.31
PV472	PV473	530.79	530.09	69.09	3.21	3.01	65.00	0/3	132.72	23.48	108.02	44.91
PV473	PV474	530.09	529.24	71.71	3.01	2.81	65.00	0/3	128.43	24.37	102.80	46.61
PV474	PV475	529.24	528.39	75.37	2.81	2.71	65.00	0/3	127.66	25.61	100.71	48.99
PV475	PV476	528.39	526.87	76.56	2.71	2.51	65.00	0/3	122.20	26.02	94.82	49.77
PV476	PV477	526.87	525.34	74.15	2.51	2.21	65.00	0/3	106.24	25.20	79.74	48.20
PV477	PV614	525.34	523.72	87.18	2.21	2.21	65.00	0/3	116.50	29.62	85.34	56.66
PV478	PV482	534.50	534.13	73.56	3.90	3.90	65.00	0/3	179.43	25.00	153.13	47.82
PV480	PV481	534.32	534.14	80.68	1.44	3.87	65.00	0/3	125.82	27.41	96.99	52.42
PV481	PV485	534.14	533.44	73.16	4.24	3.94	65.00	0/3	187.21	24.86	161.06	47.55
PV482	PV487	534.13	533.66	75.97	3.90	3.90	65.00	0/3	185.31	25.82	158.15	49.38
PV484	PV485	533.78	533.44	84.42	1.40	3.57	65.00	0/3	123.19	28.68	93.02	54.85
PV485	PV490	533.44	532.58	76.78	3.94	3.54	65.00	0/3	178.99	26.09	151.54	49.91
PV487	PV491	533.66	533.36	74.86	3.90	4.00	65.00	0/3	185.02	25.44	158.26	48.66
PV489	PV490	533.12	532.58	88.52	1.20	3.17	65.00	0/3	112.19	30.07	80.55	57.53
PV490	PV494	532.58	532.01	74.33	3.54	3.44	65.00	0/3	161.29	25.26	134.72	48.31
PV491	PV496	533.36	533.04	73.13	4.00	4.05	65.00	0/3	184.20	24.85	158.06	47.53



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PV493	PV494	532.69	532.01	84.06	1.20	3.07	65.00	0/3	104.17	28.56	74.13	54.63
PV494	PV499	532.01	531.64	72.17	3.44	3.64	65.00	0/3	158.93	24.52	133.13	46.91
PV496	PV542	533.04	532.90	71.45	4.05	4.27	65.00	0/3	186.15	24.28	160.60	46.44
PV498	PV499	532.34	531.64	84.02	1.20	3.27	65.00	0/3	108.83	28.54	78.80	54.60
PV499	PV503	531.64	531.41	71.50	3.64	3.94	65.00	0/3	169.05	24.30	143.49	46.47
PV502	PV503	532.16	531.41	84.03	1.40	3.57	65.00	0/3	122.62	28.55	92.59	54.60
PV503	PV508	531.41	530.90	75.80	3.94	3.94	65.00	0/3	186.65	25.76	159.56	49.27
PV505	PV509	532.55	532.13	76.67	4.29	4.25	65.00	0/3	205.42	26.05	178.01	49.83
PV505	PV542	532.55	532.90	74.11	4.29	4.27	65.00	0/3	198.95	25.18	172.46	48.17
PV507	PV508	531.73	530.90	83.97	1.60	3.57	65.00	0/3	129.09	28.53	99.07	54.57
PV508	PV512	530.90	530.09	75.31	3.94	3.74	65.00	0/3	180.54	25.59	153.62	48.95
PV509	PV514	532.13	531.34	73.51	4.25	4.00	65.00	0/3	190.09	24.98	163.81	47.78
PV511	PV512	531.11	530.09	83.92	1.80	3.37	65.00	0/3	130.44	28.51	100.45	54.54
PV512	PV517	530.09	528.91	73.38	3.74	3.54	65.00	0/3	166.37	24.94	140.60	47.70
PV514	PV518	531.34	530.32	76.74	4.00	3.97	65.00	0/3	191.49	26.08	164.05	49.88
PV516	PV517	530.12	528.91	83.86	1.60	3.17	65.00	0/3	119.22	28.49	89.24	54.50
PV517	PV522	528.91	527.17	77.68	3.54	3.24	65.00	0/3	163.47	26.40	135.70	50.49
PV518	PV582	530.32	530.81	86.48	4.04	4.12	65.00	0/3	220.80	29.39	189.89	56.21
PV518	PV598	530.32	528.88	75.13	4.04	3.50	65.00	0/3	176.72	25.53	149.86	48.83
PV520	PV606	528.59	526.81	82.95	1.20	1.20	65.00	0/3	56.61	28.19	26.96	53.92
PV522	PV610	527.17	525.29	91.58	3.24	3.14	65.00	0/3	180.87	31.12	148.13	59.53
PV542	PV573	532.90	532.97	85.24	4.20	1.68	65.00	0/3	149.10	28.95	118.64	55.38
PV547	PV548	537.30	537.05	72.02	1.27	2.80	65.00	0/3	85.69	24.47	59.95	46.80
PV548	PV549	537.05	537.00	27.57	2.80	3.14	65.00	0/3	50.46	9.37	40.60	17.92
PV549	PV551	537.00	536.77	59.10	3.14	3.50	65.00	0/3	121.72	20.08	100.59	38.41
PV550	PV551	536.95	536.77	83.44	1.41	3.50	65.00	0/3	120.51	28.35	90.69	54.22
PV551	PV552	536.77	536.51	73.41	3.50	3.83	65.00	0/3	167.65	24.95	141.40	47.72
PV552	PV553	536.51	536.64	83.52	3.83	1.46	65.00	0/3	130.06	28.37	100.21	54.27
PV552	PV554	536.51	536.02	73.15	3.83	3.78	65.00	0/3	173.76	24.86	147.61	47.55
PV554	PV555	536.02	536.23	78.64	3.78	1.44	65.00	0/3	120.64	26.71	92.54	51.09
PV554	PV556	536.02	535.61	77.92	3.78	3.78	65.00	0/3	183.72	26.48	155.87	50.65
PV556	PV557	535.61	535.80	82.96	3.78	1.41	65.00	0/3	126.44	28.18	96.79	53.90
PV556	PV558	535.61	535.37	73.88	3.78	3.91	65.00	0/3	177.42	25.11	151.01	48.02
PV558	PV559	535.37	534.99	75.00	3.91	3.91	65.00	0/3	183.18	25.49	156.37	48.75
PV559	PV560	534.99	534.40	75.01	3.91	3.70	65.00	0/3	178.05	25.49	151.24	48.75
PV560	PV561	534.40	534.64	83.80	3.40	1.37	65.00	0/3	117.30	28.47	87.35	54.45
PV560	PV562	534.40	533.59	76.29	3.70	3.29	65.00	0/3	165.87	25.92	138.60	49.59
PV562	PV563	533.59	534.05	84.59	3.29	1.20	65.00	0/3	110.05	28.74	79.81	54.97
PV562	PV564	533.59	532.78	73.93	3.29	2.85	65.00	0/3	140.39	25.12	113.96	48.06
PV564	PV565	532.78	533.45	84.74	2.85	1.20	65.00	0/3	99.75	28.79	69.46	55.07
PV564	PV566	532.78	532.47	75.15	2.85	2.92	65.00	0/3	133.69	25.54	106.82	48.85
PV566	PV567	532.47	533.06	84.92	2.92	1.20	65.00	0/3	101.64	28.85	71.29	55.19
PV566	PV568	532.47	532.91	75.36	2.92	3.71	65.00	0/3	154.72	25.61	127.78	48.98
PV568	PV569	532.91	533.14	85.08	3.45	1.62	65.00	0/3	128.51	28.90	98.10	55.29
PV568	PV570	532.91	533.19	74.12	3.71	4.34	65.00	0/3	186.65	25.19	160.15	48.18
PV570	PV571	533.19	532.78	85.25	4.10	1.34	65.00	0/3	134.98	28.96	104.52	55.38
PV570	PV572	533.19	533.05	71.45	4.34	4.54	65.00	0/3	199.23	24.28	173.69	46.44
PV572	PV575	533.05	532.15	72.39	4.54	3.98	65.00	0/3	193.24	24.60	167.36	47.05
PV575	PV576	532.15	532.35	85.33	3.80	1.80	65.00	0/3	143.46	28.99	112.97	55.45
PV575	PV577	532.15	531.08	78.09	3.98	3.28	65.00	0/3	176.26	26.54	148.35	50.76
PV577	PV578	531.08	531.60	85.60	3.12	1.20	65.00	0/3	107.29	29.08	76.69	55.63
PV577	PV579	531.08	530.47	73.62	3.28	3.02	65.00	0/3	143.41	25.02	117.09	47.85
PV579	PV580	530.47	530.90	85.69	2.88	1.20	65.00	0/3	101.59	29.11	70.96	55.69
PV579	PV581	530.47	530.27	75.68	3.02	3.18	65.00	0/3	145.00	25.72	117.95	49.19

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PV581	PV582	530.27	530.81	85.05	3.18	4.12	65.00	0/3	192.88	28.90	162.48	55.28
PV585	PV586	529.45	529.87	74.47	2.21	3.64	65.00	0/3	132.73	25.30	106.11	48.40
PV586	PV588	529.87	529.05	76.59	3.64	3.80	65.00	0/3	177.71	26.03	150.33	49.78
PV588	PV590	529.05	527.41	75.47	3.80	3.20	65.00	0/3	164.11	25.65	137.13	49.05
PV590	PV592	527.41	526.11	53.36	3.20	2.70	65.00	0/3	96.99	18.13	77.91	34.68
PV592	PV604	526.11	523.81	92.46	2.70	2.50	65.00	0/3	147.22	31.42	114.16	60.10
PV595	PV599	529.13	527.64	81.72	2.00	3.20	65.00	0/3	128.80	27.77	99.59	53.11
PV596	PV602	527.71	526.14	67.48	2.00	2.90	65.00	0/3	100.23	22.93	76.11	43.86
PV597	PV603	526.17	524.95	55.98	2.00	2.90	65.00	0/3	83.14	19.02	63.13	36.38
PV598	PV599	528.88	527.64	72.81	3.50	3.20	65.00	0/3	151.56	24.74	125.54	47.32
PV599	PV600	527.64	527.03	22.83	3.20	3.05	65.00	0/3	44.16	7.76	36.00	14.84
PV600	PV602	527.03	526.14	47.40	3.05	2.90	65.00	0/3	87.05	16.11	70.10	30.81
PV602	PV603	526.14	524.95	69.27	2.90	2.90	65.00	0/3	123.83	23.54	99.07	45.02
PV603	PV604	524.95	523.81	51.44	2.90	2.50	65.00	0/3	85.18	17.48	66.79	33.43
PV604	PV634	523.81	522.34	83.33	2.50	2.20	65.00	0/3	119.09	28.32	89.30	54.16
PV606	PV607	526.81	525.07	88.39	1.20	1.20	65.00	0/3	60.32	30.04	28.73	57.45
PV607	PV609	525.07	523.30	82.48	1.20	1.20	65.00	0/3	56.29	28.03	26.81	53.61
PV609	PV661	523.30	521.58	85.75	1.20	1.20	65.00	0/3	58.53	29.14	27.87	55.74
PV610	PV611	525.29	523.34	80.26	3.14	2.94	65.00	0/3	150.67	27.28	121.97	52.17
PV611	PV613	523.34	521.50	83.62	2.94	2.94	65.00	0/3	151.57	28.42	121.68	54.35
PV613	PV673	521.50	519.62	84.01	2.94	2.94	65.00	0/3	152.27	28.55	122.24	54.61
PV614	PV615	523.72	521.79	85.64	2.21	2.01	65.00	0/3	108.83	29.10	78.22	55.66
PV615	PV617	521.79	519.81	85.47	2.01	1.81	65.00	0/3	97.50	29.04	66.95	55.55
PV617	PV690	519.81	517.86	81.74	1.81	1.51	65.00	0/3	79.89	27.78	50.66	53.13
PV618	PV619	521.92	520.04	84.28	2.31	2.31	65.00	0/3	118.12	28.64	87.99	54.78
PV619	PV694	520.04	518.07	81.95	2.31	2.01	65.00	0/3	106.76	27.85	77.47	53.26
PV621	PV622	520.11	518.19	82.96	2.08	2.65	65.00	0/3	119.11	28.19	89.46	53.92
PV622	PV700	518.19	516.47	87.58	2.65	3.10	65.00	0/3	154.95	29.76	123.64	56.93
PV624	PV625	518.48	516.49	83.46	2.50	2.50	65.00	0/3	127.49	28.36	97.65	54.25
PV625	PV712	516.49	514.74	87.23	2.50	2.50	65.00	0/3	133.24	29.64	102.06	56.70
PV627	PV628	517.25	515.09	83.83	2.09	2.10	65.00	0/3	106.19	28.49	76.22	54.49
PV628	PV723	515.09	513.07	79.73	2.10	2.02	65.00	0/3	98.99	27.10	70.48	51.83
PV630	PV631	516.05	513.93	76.53	2.15	2.05	65.00	0/3	97.09	26.01	69.73	49.75
PV631	PV729	513.93	512.14	80.51	2.05	2.05	65.00	0/3	99.54	27.36	70.76	52.33
PV632	PV734	515.11	512.64	84.71	1.20	1.20	65.00	0/3	57.81	28.79	27.53	55.06
PV633	PV735	514.52	512.39	84.37	2.20	2.20	65.00	0/3	112.46	28.67	82.30	54.84
PV634	PV635	522.34	520.85	90.57	2.20	1.93	65.00	0/3	112.63	30.78	80.25	58.87
PV635	PV636	520.85	519.76	81.75	1.93	1.93	65.00	0/3	94.55	27.78	65.32	53.14
PV636	PV637	519.76	518.51	90.90	1.93	1.93	65.00	0/3	105.13	30.89	72.63	59.09
PV637	PV638	518.51	517.58	85.75	1.93	1.93	65.00	0/3	99.17	29.14	68.51	55.74
PV638	PV639	517.58	516.50	84.10	1.93	1.93	65.00	0/3	97.25	28.58	67.19	54.66
PV639	PV640	516.50	515.49	70.50	1.93	1.93	65.00	0/3	81.54	23.96	56.33	45.83
PV640	PV641	515.49	514.19	78.75	1.93	1.93	65.00	0/3	91.07	26.76	62.92	51.19
PV641	PV642	514.19	512.68	63.20	1.93	1.93	65.00	0/3	73.09	21.48	50.50	41.08
PV642	PV643	512.68	511.51	72.69	1.93	1.93	65.00	0/3	84.06	24.70	58.08	47.25
PV643	PV644	511.51	510.34	73.18	1.93	1.93	65.00	0/3	84.63	24.87	58.47	47.57
PV644	PV645	510.34	509.40	65.14	1.93	1.93	65.00	0/3	75.37	22.14	52.08	42.34
PV644	PV873	510.34	512.31	70.27	1.93	1.80	65.00	0/3	78.32	23.88	53.19	45.68
PV645	PV646	509.40	508.45	63.96	1.93	1.93	65.00	0/3	74.00	21.74	51.14	41.57
PV646	PV647	508.45	507.30	66.43	1.93	1.93	65.00	0/3	76.86	22.57	53.11	43.18
PV646	PV908	508.45	510.60	69.61	1.20	1.20	65.00	0/3	47.51	23.66	22.62	45.25
PV647	PV648	507.30	506.14	61.37	1.93	1.93	65.00	0/3	71.00	20.85	49.06	39.89
PV648	PV649	506.14	505.06	64.47	1.93	1.93	65.00	0/3	74.59	21.91	51.54	41.91
PV648	PV909	506.14	507.45	68.99	1.93	1.20	65.00	0/3	62.73	23.44	38.07	44.84

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PV649	PV650	505.06	503.97	64.87	1.93	1.93	65.00	0/3	75.05	22.04	51.86	42.16
PV650	PV651	503.97	502.96	84.06	1.93	2.60	65.00	0/3	115.10	28.57	85.05	54.64
PV650	PV910	503.97	504.83	66.72	1.93	1.20	65.00	0/3	60.67	22.67	36.82	43.37
PV651	PV652	502.96	501.93	64.06	2.60	2.85	65.00	0/3	107.24	21.77	84.34	41.64
PV651	PV911	502.96	503.80	67.46	2.60	1.50	65.00	0/3	82.11	22.92	58.00	43.84
PV652	PV653	501.93	500.89	60.05	2.85	3.01	65.00	0/3	108.61	20.41	87.14	39.03
PV653	PV654	500.89	500.02	65.84	3.01	3.00	65.00	0/3	122.27	22.37	98.74	42.79
PV653	PV912	500.89	501.53	66.24	3.00	1.80	65.00	0/3	95.69	22.51	72.01	43.05
PV654	PV854	500.02	499.61	46.79	3.00	3.39	65.00	0/3	92.53	15.90	75.80	30.41
PV654	PV913	500.02	500.05	57.91	3.00	2.15	65.00	0/3	90.88	19.68	70.18	37.64
PV658	PV659	516.58	515.50	79.64	1.20	2.11	65.00	0/3	76.72	27.06	48.24	51.77
PV659	PV660	515.50	514.15	90.03	2.11	2.60	65.00	0/3	128.83	30.60	96.64	58.52
PV660	PV741	514.15	510.94	93.85	2.60	2.00	65.00	0/3	130.79	31.89	97.23	61.00
PV661	PV663	521.58	519.85	82.98	1.20	1.20	65.00	0/3	56.64	28.20	26.97	53.94
PV663	PV664	519.85	518.05	90.13	1.20	1.20	65.00	0/3	61.51	30.63	29.29	58.58
PV664	PV665	518.05	516.84	47.35	1.20	1.20	65.00	0/3	32.35	16.09	15.42	30.78
PV665	PV667	516.84	516.35	62.64	1.20	1.71	65.00	0/3	52.92	21.29	30.53	40.72
PV667	PV668	516.35	515.12	62.71	1.71	1.49	65.00	0/3	59.09	21.31	36.67	40.76
PV668	PV669	515.12	514.92	13.40	1.49	1.54	65.00	0/3	11.89	4.55	7.10	8.71
PV669	PV671	514.92	512.90	93.48	1.54	1.21	65.00	0/3	74.39	31.77	40.97	60.76
PV671	PV672	512.90	510.75	86.74	1.21	1.51	65.00	0/3	68.22	29.48	37.21	56.38
PV672	PV686	510.75	510.50	10.77	1.51	1.61	65.00	0/3	9.88	3.66	6.03	7.00
PV673	PV675	519.62	517.97	85.43	2.94	2.74	65.00	0/3	149.27	29.03	118.73	55.53
PV675	PV676	517.97	516.08	87.84	2.74	2.74	65.00	0/3	147.80	29.85	116.40	57.10
PV676	PV677	516.08	513.66	85.65	2.74	2.74	65.00	0/3	144.19	29.11	113.57	55.67
PV677	PV678	513.66	510.98	88.89	2.74	2.24	65.00	0/3	134.94	30.21	103.16	57.78
PV678	PV687	510.98	510.12	72.83	2.24	2.24	65.00	0/3	98.94	24.75	72.90	47.34
PV678	PV699	510.98	512.04	83.37	1.88	2.01	65.00	0/3	97.05	28.33	67.24	54.19
PV679	PV680	514.61	512.03	71.53	1.20	1.20	65.00	0/3	48.82	24.31	23.25	46.50
PV680	PV687	512.03	510.12	75.29	1.20	2.24	65.00	0/3	75.38	25.58	48.47	48.93
PV682	PV683	513.19	511.90	52.34	1.20	1.50	65.00	0/3	40.72	17.79	22.01	34.02
PV683	PV684	511.90	511.28	99.16	1.50	1.87	65.00	0/3	98.74	33.70	63.29	64.45
PV684	PV686	511.28	510.50	74.60	1.87	1.84	65.00	0/3	82.66	25.35	55.99	48.49
PV686	PV769	510.50	510.26	8.28	1.84	1.68	65.00	0/3	8.67	2.81	5.71	5.38
PV687	PV688	510.12	509.92	75.44	2.24	2.59	65.00	0/3	111.07	25.64	84.10	49.04
PV688	PV689	509.92	509.81	68.71	2.59	3.17	65.00	0/3	121.83	23.35	97.27	44.66
PV689	PV709	509.81	507.50	80.61	3.17	2.04	65.00	0/3	127.55	27.39	98.73	52.39
PV690	PV692	517.86	516.21	89.17	1.51	1.51	65.00	0/3	78.60	30.30	46.72	57.96
PV692	PV693	516.21	514.10	84.20	1.51	1.41	65.00	0/3	71.46	28.61	41.36	54.73
PV693	PV698	514.10	512.23	73.81	1.41	1.21	65.00	0/3	55.45	25.08	29.06	47.97
PV694	PV695	518.07	516.16	85.01	2.01	2.01	65.00	0/3	102.57	28.89	72.18	55.26
PV695	PV697	516.16	514.20	84.70	2.01	1.81	65.00	0/3	96.64	28.78	66.36	55.05
PV697	PV698	514.20	512.23	88.57	1.81	1.51	65.00	0/3	86.58	30.10	54.91	57.57
PV698	PV699	512.23	512.04	44.80	1.51	2.01	65.00	0/3	46.58	15.22	30.57	29.12
PV700	PV701	516.47	514.45	80.18	3.10	2.68	65.00	0/3	142.74	27.25	114.08	52.11
PV701	PV703	514.45	512.61	88.44	2.68	2.17	65.00	0/3	130.61	30.05	98.99	57.49
PV703	PV704	512.61	510.67	84.61	2.17	1.50	65.00	0/3	92.03	28.75	61.78	55.00
PV704	PV705	510.67	510.16	52.06	1.50	1.72	65.00	0/3	49.34	17.69	30.73	33.84
PV705	PV706	510.16	509.32	96.09	1.72	2.32	65.00	0/3	116.34	32.65	81.98	62.46
PV706	PV707	509.32	508.16	94.72	2.32	2.30	65.00	0/3	132.96	32.19	99.10	61.57
PV707	PV708	508.16	507.89	63.45	2.30	2.73	65.00	0/3	97.35	21.56	74.67	41.24
PV708	PV709	507.89	507.50	50.94	2.73	2.85	65.00	0/3	87.39	17.31	69.18	33.11
PV709	PV710	507.50	506.50	73.98	2.85	2.80	65.00	0/3	128.60	25.14	102.15	48.09
PV710	PV711	506.50	504.84	82.25	2.80	2.37	65.00	0/3	130.11	27.95	100.70	53.46

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PV711	PV721	504.84	505.72	74.57	1.67	1.50	65.00	0/3	69.52	25.34	42.86	48.47
PV711	PV722	504.84	505.02	80.11	2.37	3.52	65.00	0/3	144.64	27.22	116.00	52.06
PV712	PV713	514.74	512.72	81.96	2.50	2.20	65.00	0/3	117.12	27.85	87.82	53.28
PV713	PV715	512.72	511.10	86.59	2.20	2.00	65.00	0/3	109.70	29.42	78.75	56.28
PV715	PV716	511.10	509.21	85.62	2.00	1.90	65.00	0/3	100.17	29.10	69.56	55.65
PV716	PV717	509.21	508.58	60.69	1.90	1.80	65.00	0/3	67.06	20.62	45.36	39.45
PV717	PV718	508.58	507.90	70.96	1.80	1.70	65.00	0/3	73.78	24.11	48.42	46.12
PV718	PV719	507.90	506.95	95.38	1.70	1.50	65.00	0/3	89.82	32.41	55.73	61.99
PV719	PV720	506.95	506.04	60.18	1.50	1.40	65.00	0/3	50.84	20.45	29.33	39.11
PV720	PV721	506.04	505.72	79.62	1.40	1.50	65.00	0/3	67.27	27.06	38.80	51.75
PV722	PV775	505.02	506.66	72.34	3.52	2.40	65.00	0/3	131.28	24.58	105.42	47.01
PV722	PV805	505.02	503.32	73.44	3.52	3.07	65.00	0/3	150.10	24.96	123.85	47.73
PV723	PV724	513.07	511.19	88.01	2.02	2.02	65.00	0/3	106.87	29.91	75.41	57.21
PV724	PV726	511.19	510.27	87.52	2.02	2.41	65.00	0/3	117.37	29.74	86.08	56.89
PV726	PV727	510.27	507.88	86.44	2.41	1.58	65.00	0/3	102.80	29.37	71.90	56.18
PV727	PV728	507.88	507.71	59.55	1.58	2.18	65.00	0/3	66.62	20.24	45.33	38.71
PV728	PV732	507.71	507.20	17.69	1.95	1.36	65.00	0/3	17.15	6.01	10.82	11.49
PV728	PV798	507.71	506.10	96.95	2.18	1.59	65.00	0/3	108.83	32.95	74.17	63.02
PV729	PV730	512.14	510.01	84.09	2.05	1.65	65.00	0/3	92.82	28.58	62.76	54.66
PV730	PV731	510.01	508.62	89.10	1.65	1.65	65.00	0/3	86.99	30.28	55.14	57.92
PV731	PV732	508.62	507.20	88.27	1.65	1.36	65.00	0/3	77.51	30.00	45.95	57.38
PV734	PV735	512.64	512.39	39.71	1.20	2.20	65.00	0/3	39.28	13.49	25.09	25.80
PV735	PV736	512.39	510.77	83.72	2.20	2.20	65.00	0/3	111.60	28.45	81.67	54.42
PV736	PV737	510.77	509.29	81.89	2.20	2.07	65.00	0/3	105.54	27.83	76.27	53.23
PV737	PV738	509.29	508.14	84.34	2.07	2.30	65.00	0/3	111.40	28.66	81.25	54.82
PV738	PV739	508.14	506.89	77.82	2.30	2.49	65.00	0/3	113.48	26.45	85.66	50.59
PV739	PV740	506.89	504.81	81.08	2.49	2.03	65.00	0/3	111.01	27.55	82.03	52.70
PV740	PV817	504.81	503.65	103.51	2.03	2.50	65.00	0/3	142.06	35.18	105.06	67.28
PV741	PV742	510.94	510.67	71.18	2.00	2.80	65.00	0/3	103.54	24.19	78.09	46.27
PV742	PV743	510.67	509.81	68.17	2.80	2.90	65.00	0/3	119.62	23.16	95.25	44.31
PV743	PV744	509.81	508.59	74.31	2.90	2.70	65.00	0/3	127.96	25.25	101.40	48.30
PV744	PV745	508.59	511.15	64.37	1.20	1.20	65.00	0/3	43.93	21.87	20.92	41.84
PV744	PV747	508.59	508.09	69.37	2.70	3.17	65.00	0/3	125.46	23.58	100.66	45.09
PV747	PV748	508.09	506.92	73.18	3.17	3.03	65.00	0/3	140.25	24.87	114.08	47.57
PV748	PV749	506.92	508.53	66.42	1.20	1.20	65.00	0/3	45.33	22.57	21.59	43.17
PV748	PV751	506.92	505.72	63.37	3.03	2.78	65.00	0/3	113.27	21.53	90.62	41.19
PV751	PV752	505.72	504.51	66.50	2.78	2.56	65.00	0/3	108.89	22.60	85.12	43.22
PV752	PV753	504.51	506.57	68.53	1.20	1.20	65.00	0/3	46.78	23.29	22.27	44.55
PV752	PV754	504.51	503.94	67.62	2.56	2.94	65.00	0/3	114.26	22.98	90.09	43.95
PV754	PV755	503.94	503.36	57.91	2.94	2.95	65.00	0/3	105.21	19.68	84.51	37.64
PV755	PV756	503.36	504.80	68.84	2.95	1.50	65.00	0/3	90.88	23.39	66.27	44.74
PV755	PV757	503.36	502.74	62.32	2.95	3.20	65.00	0/3	118.52	21.18	96.24	40.51
PV757	PV758	502.74	502.11	68.22	3.20	3.20	65.00	0/3	135.38	23.18	110.99	44.35
PV758	PV759	502.11	503.09	69.52	3.20	1.50	65.00	0/3	96.81	23.62	71.97	45.18
PV758	PV797	502.11	500.76	63.77	3.20	2.81	65.00	0/3	118.29	21.67	95.49	41.45
PV760	PV761	501.75	500.73	75.03	1.20	2.50	65.00	0/3	80.79	25.49	53.97	48.76
PV761	PV768	500.73	500.39	68.91	2.50	2.97	65.00	0/3	115.71	23.42	91.07	44.79
PV767	PV768	499.96	500.39	68.91	3.23	2.97	65.00	0/3	132.24	23.42	107.61	44.79
PV767	PV854	499.96	499.61	101.69	3.23	3.85	65.00	0/3	223.84	34.56	187.49	66.10
PV769	PV770	510.26	508.87	72.41	1.68	2.01	65.00	0/3	79.73	24.61	53.85	47.07
PV770	PV771	508.87	507.04	73.40	2.01	2.01	65.00	0/3	88.77	24.94	62.53	47.71
PV771	PV772	507.04	505.75	73.40	2.01	2.41	65.00	0/3	98.15	24.94	71.91	47.71
PV772	PV780	505.75	504.22	46.37	2.41	2.51	65.00	0/3	69.64	15.76	53.06	30.60
PV774	PV775	507.51	506.66	45.53	1.51	2.40	65.00	0/3	52.89	15.47	36.61	29.59

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PV777	PV779	505.96	505.05	61.60	1.20	2.14	65.00	0/3	59.81	20.93	37.80	40.03
PV779	PV780	505.05	504.22	65.74	2.14	2.50	65.00	0/3	92.62	22.34	69.12	42.73
PV780	PV781	504.22	504.08	66.62	2.51	3.04	65.00	0/3	113.42	22.64	89.60	43.30
PV781	PV782	504.08	503.22	70.42	3.04	2.81	65.00	0/3	126.92	23.93	101.74	45.77
PV782	PV783	503.22	504.92	60.85	2.81	1.80	65.00	0/3	84.44	20.68	62.69	39.55
PV782	PV785	503.22	502.20	68.42	2.81	2.41	65.00	0/3	109.20	23.25	84.74	44.47
PV785	PV792	502.20	501.17	62.69	2.41	2.31	65.00	0/3	89.92	21.30	67.51	40.75
PV787	PV792	502.93	501.17	69.63	1.20	1.20	65.00	0/3	47.52	23.66	22.63	45.26
PV789	PV791	502.34	501.76	64.43	1.20	2.87	65.00	0/3	76.27	21.89	53.25	41.87
PV791	PV794	501.76	499.81	73.93	2.87	3.33	65.00	0/3	141.82	25.12	115.39	48.05
PV792	PV793	501.17	500.49	60.50	2.31	2.41	65.00	0/3	86.81	20.56	65.18	39.33
PV793	PV794	500.49	499.81	65.33	2.41	2.91	65.00	0/3	106.31	22.20	82.96	42.47
PV794	PV795	499.81	499.86	72.76	3.33	1.20	65.00	0/3	95.49	24.72	69.49	47.27
PV794	PV835	499.81	498.52	80.58	3.33	2.79	65.00	0/3	152.28	27.38	123.48	52.37
PV797	PV1146	500.76	500.77	10.60	2.81	2.96	65.00	0/3	18.03	3.45	14.40	6.59
PV798	PV799	506.10	505.27	89.15	1.59	1.60	65.00	0/3	83.65	30.30	51.78	57.95
PV799	PV800	505.27	503.97	71.05	1.60	1.37	65.00	0/3	61.42	24.15	36.02	46.19
PV800	PV802	503.97	503.96	56.87	1.37	1.76	65.00	0/3	51.98	19.33	31.65	36.97
PV802	PV803	503.96	503.36	65.35	1.76	1.48	65.00	0/3	62.31	22.21	38.95	42.48
PV803	PV804	503.36	503.34	48.69	1.48	1.71	65.00	0/3	45.66	16.54	28.25	31.64
PV804	PV805	503.34	503.32	63.30	1.71	3.07	65.00	0/3	90.67	21.51	68.05	41.14
PV805	PV806	503.32	503.18	61.98	3.07	3.68	65.00	0/3	129.75	22.22	105.58	40.28
PV806	PV807	503.18	502.34	74.27	3.68	3.73	65.00	0/3	171.52	26.63	142.56	48.27
PV807	PV808	502.34	500.70	73.92	3.73	3.28	65.00	0/3	161.02	26.51	132.19	48.05
PV808	PV809	500.70	500.09	70.60	3.28	3.61	65.00	0/3	150.16	25.15	122.81	45.59
PV808	PV816	500.70	501.64	64.59	2.58	1.90	65.00	0/3	87.34	21.95	64.26	41.98
PV809	PV822	500.09	500.38	55.07	3.61	3.79	65.00	0/3	127.16	21.16	102.11	35.80
PV809	PV828	500.09	499.66	101.16	3.61	3.39	70.00	0/3	237.09	43.37	183.98	70.81
PV812	PV813	502.59	501.78	97.42	1.20	2.25	65.00	0/3	97.84	33.10	63.02	63.32
PV813	PV814	501.78	501.56	69.49	2.25	3.13	65.00	0/3	114.21	23.61	89.37	45.17
PV814	PV815	501.56	501.22	72.84	3.13	3.60	65.00	0/3	152.14	24.75	126.10	47.35
PV815	PV821	501.22	500.27	82.42	3.60	3.56	65.00	0/3	183.74	28.01	154.28	53.57
PV817	PV818	503.65	502.34	88.21	2.50	2.80	65.00	0/3	143.26	29.98	111.72	57.34
PV818	PV819	502.34	501.05	101.25	2.80	3.50	65.00	0/3	196.98	34.41	160.78	65.81
PV819	PV820	501.05	500.53	80.05	4.00	3.64	65.00	0/3	191.07	30.76	154.64	52.03
PV819	PV941	501.05	500.66	66.74	4.00	3.46	65.00	0/3	155.24	24.92	127.04	43.38
PV820	PV821	500.53	500.27	88.79	3.64	3.56	65.00	0/3	199.26	34.12	158.86	57.72
PV821	PV822	500.27	500.38	60.67	3.56	3.79	65.00	0/3	139.07	23.32	111.46	39.44
PV824	PV825	502.75	502.48	65.40	1.20	2.50	65.00	0/3	70.43	22.22	47.05	42.50
PV825	PV826	502.48	501.28	66.25	2.50	3.00	65.00	0/3	111.78	22.51	88.10	43.06
PV826	PV827	501.28	501.28	9.89	3.00	3.25	65.00	0/3	19.10	3.36	15.57	6.43
PV827	PV828	501.28	499.66	78.51	3.25	3.39	65.00	0/3	161.76	26.68	133.69	51.03
PV828	PV832	499.66	499.42	68.68	3.39	3.29	70.00	0/3	153.30	29.45	117.24	48.08
PV829	PV830	500.54	499.41	70.27	1.20	2.00	65.00	0/3	65.37	23.88	40.25	45.67
PV830	PV833	499.41	499.02	35.22	2.00	2.53	65.00	0/3	48.29	11.97	35.70	22.89
PV832	PV833	499.42	499.02	76.34	3.29	3.04	70.00	0/3	160.99	32.73	120.92	53.44
PV833	PV834	499.02	498.73	65.00	3.04	2.88	70.00	0/3	127.83	27.87	93.71	45.50
PV834	PV835	498.73	498.52	57.89	2.88	2.79	70.00	0/3	108.71	24.82	78.32	40.52
PV835	PV836	498.52	498.22	80.09	2.79	2.65	70.00	0/3	144.05	34.34	102.00	56.07
PV836	PV837	498.22	498.11	96.74	2.65	2.73	70.00	0/3	172.10	41.48	121.31	67.72
PV837	PV838	498.11	498.10	80.19	2.73	2.88	70.00	0/3	149.19	34.38	107.09	56.13
PV837	PV1146	498.11	500.77	105.76	2.22	2.96	65.00	0/3	167.15	35.94	129.34	68.74
PV838	PV839	498.10	498.13	86.14	2.88	3.09	70.00	0/3	170.88	36.93	125.66	60.30
PV839	PV840	498.13	498.01	73.00	3.09	3.11	70.00	0/3	150.67	31.30	112.35	51.10

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PV840	PV841	498.01	498.96	65.52	3.11	1.50	65.00	0/3	89.54	22.26	66.12	42.58
PV840	PV843	498.01	496.71	92.91	3.11	2.00	70.00	0/3	154.96	39.84	106.19	65.03
PV843	PV850	496.71	497.77	105.36	2.00	3.27	70.00	0/3	181.08	45.18	125.77	73.75
PV845	PV1093	495.90	495.83	106.09	2.93	2.65	70.00	0/3	196.16	46.08	136.75	74.26
PV850	PV851	497.77	498.56	100.36	3.27	4.26	70.00	0/3	253.05	43.03	200.37	70.25
PV851	PV852	498.56	499.13	71.68	4.26	4.99	70.00	0/3	224.39	30.73	186.76	50.17
PV851	PV855	498.56	498.78	59.59	4.26	3.60	65.00	0/3	146.22	20.25	124.92	38.73
PV852	PV853	499.13	499.26	73.56	4.99	5.29	70.00	0/3	257.12	31.54	218.50	51.49
PV853	PV906	499.26	500.62	100.11	5.30	3.01	65.00	0/3	256.77	34.01	220.99	65.05
PV853	PV1069	499.26	498.69	69.34	5.30	4.88	70.00	0/3	239.72	29.73	203.31	48.54
PV854	PV855	499.61	498.78	48.16	3.85	3.60	65.00	0/3	111.85	16.37	94.64	31.30
PV857	PV858	523.91	523.64	69.82	1.20	2.33	65.00	0/3	71.66	23.72	46.71	45.38
PV858	PV859	523.64	522.65	59.76	2.33	2.25	65.00	0/3	83.08	20.31	61.72	38.84
PV859	PV862	522.65	521.69	84.11	2.25	2.60	65.00	0/3	124.25	28.58	94.18	54.67
PV862	PV863	521.69	520.64	88.60	2.60	2.60	65.00	0/3	141.09	30.11	109.42	57.59
PV863	PV865	520.64	519.63	84.18	2.60	2.60	65.00	0/3	134.06	28.61	103.97	54.72
PV865	PV866	519.63	518.59	84.98	2.60	2.40	65.00	0/3	129.77	28.88	99.39	55.24
PV866	PV868	518.59	517.45	69.29	2.40	2.00	65.00	0/3	92.17	23.54	67.41	45.03
PV868	PV869	517.45	516.13	73.60	2.00	2.00	65.00	0/3	88.50	25.01	62.19	47.84
PV869	PV870	516.13	514.40	70.67	2.00	1.80	65.00	0/3	80.34	24.01	55.08	45.93
PV870	PV872	514.40	513.35	69.17	1.80	1.80	65.00	0/3	74.18	23.50	49.45	44.96
PV872	PV873	513.35	512.31	75.68	1.80	1.80	65.00	0/3	81.17	25.72	54.11	49.19
PV874	PV875	526.33	525.49	69.24	1.20	1.80	65.00	0/3	60.25	23.53	35.50	45.00
PV875	PV876	525.49	524.69	58.96	1.80	2.10	65.00	0/3	68.94	20.03	47.87	38.32
PV876	PV878	524.69	523.63	84.31	2.10	2.10	65.00	0/3	107.05	28.65	76.92	54.80
PV878	PV879	523.63	522.70	88.34	2.10	2.40	65.00	0/3	120.75	30.02	89.17	57.42
PV879	PV881	522.70	521.73	80.98	2.40	2.40	65.00	0/3	118.68	27.52	89.73	52.64
PV881	PV882	521.73	520.69	88.28	2.40	2.40	65.00	0/3	129.38	30.00	97.82	57.38
PV882	PV884	520.69	518.68	71.37	2.40	2.00	65.00	0/3	95.17	24.25	69.66	46.39
PV884	PV885	518.68	516.67	76.94	2.00	1.50	65.00	0/3	79.92	26.15	52.42	50.01
PV885	PV886	516.67	516.19	65.06	1.50	1.80	65.00	0/3	63.53	22.11	40.27	42.29
PV886	PV888	516.19	515.08	74.24	1.80	1.44	65.00	0/3	70.79	25.23	44.25	48.25
PV888	PV889	515.08	513.96	70.20	1.44	1.21	65.00	0/3	53.40	23.86	28.30	45.63
PV889	PV891	513.96	512.68	66.38	1.21	1.21	65.00	0/3	45.61	22.56	21.88	43.14
PV891	PV892	512.68	511.40	63.69	1.21	2.00	65.00	0/3	59.49	21.64	36.73	41.39
PV892	PV894	511.40	509.91	63.61	2.01	2.01	65.00	0/3	76.90	21.61	54.16	41.34
PV892	PV1026	511.40	512.97	76.81	2.01	2.01	65.00	0/3	92.87	26.10	65.41	49.93
PV894	PV895	509.91	508.42	65.62	2.01	2.01	65.00	0/3	79.33	22.30	55.88	42.65
PV895	PV897	508.42	507.18	64.76	2.01	2.01	65.00	0/3	78.30	22.01	55.15	42.10
PV895	PV1064	508.42	510.07	75.26	2.00	1.40	65.00	0/3	75.35	25.58	48.44	48.92
PV897	PV898	507.18	505.94	66.77	2.01	2.01	65.00	0/3	80.73	22.69	56.85	43.40
PV898	PV900	505.94	504.60	80.71	2.01	3.01	65.00	0/3	122.87	27.43	94.01	52.46
PV898	PV1065	505.94	507.13	72.69	2.00	1.20	65.00	0/3	67.62	24.70	41.63	47.25
PV900	PV902	504.60	503.41	60.53	3.01	3.01	65.00	0/3	112.52	20.57	90.88	39.34
PV900	PV1066	504.60	505.61	75.17	3.00	1.77	65.00	0/3	107.86	25.54	80.99	48.86
PV902	PV903	503.41	502.22	60.32	3.01	3.01	65.00	0/3	112.14	20.50	90.58	39.21
PV903	PV905	502.22	501.42	64.76	3.01	3.01	65.00	0/3	120.39	22.01	97.23	42.09
PV903	PV1067	502.22	502.79	78.01	3.00	1.20	65.00	0/3	95.13	26.50	67.25	50.69
PV905	PV906	501.42	500.62	63.00	3.01	3.01	65.00	0/3	117.12	21.41	94.60	40.95
PV906	PV1068	500.62	501.47	79.84	3.00	1.27	65.00	0/3	99.56	27.12	71.02	51.88
PV913	PV914	500.05	500.36	63.10	2.15	1.20	65.00	0/3	61.54	21.44	38.99	41.01
PV916	PV917	519.02	516.67	95.73	1.20	2.00	65.00	0/3	89.06	32.53	54.84	62.23
PV917	PV920	516.67	515.24	78.55	2.00	2.30	65.00	0/3	101.96	26.69	73.88	51.05
PV918	PV919	518.77	517.24	75.93	1.20	1.95	65.00	0/3	69.45	25.80	42.30	49.35

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PV919	PV920	517.24	515.24	80.65	1.95	2.30	65.00	0/3	103.40	27.41	74.57	52.42
PV920	PV921	515.24	514.49	61.40	2.30	2.50	65.00	0/3	89.77	20.87	67.82	39.91
PV921	PV922	514.49	516.06	66.49	2.50	1.20	65.00	0/3	71.59	22.59	47.83	43.21
PV921	PV924	514.49	513.30	65.36	2.50	2.50	65.00	0/3	99.84	22.21	76.47	42.48
PV924	PV925	513.30	509.88	64.68	2.50	1.20	65.00	0/3	69.65	21.98	46.53	42.03
PV925	PV978	509.88	510.13	106.31	1.20	2.10	65.00	0/3	102.06	36.13	64.05	69.10
PV926	PV942	509.89	507.35	71.79	2.00	1.50	65.00	0/3	74.36	24.40	48.69	46.66
PV927	PV928	508.18	506.72	90.37	1.20	2.00	65.00	0/3	84.04	30.71	51.74	58.74
PV928	PV929	506.72	505.50	73.53	2.00	2.25	65.00	0/3	94.34	24.99	68.06	47.79
PV929	PV930	505.50	504.35	74.45	2.25	2.22	65.00	0/3	100.84	25.30	74.23	48.39
PV929	PV944	505.50	506.70	77.00	1.80	1.20	65.00	0/3	67.00	26.17	39.48	50.05
PV930	PV931	504.35	503.70	52.13	2.22	2.40	65.00	0/3	73.23	17.71	54.60	33.88
PV932	PV933	503.06	503.60	99.49	2.90	4.33	65.00	0/3	222.30	33.81	186.74	64.66
PV934	PV935	501.55	501.00	62.04	3.17	2.74	65.00	0/3	113.11	23.17	86.90	40.33
PV935	PV936	501.00	501.67	107.15	2.74	3.63	65.00	0/3	210.74	40.01	165.47	69.65
PV936	PV937	501.67	501.99	17.47	3.63	3.98	65.00	0/3	41.50	6.52	34.12	11.35
PV937	PV938	501.99	500.36	91.96	4.02	2.57	65.00	0/3	186.41	34.34	147.56	59.77
PV937	PV975	501.99	502.58	76.99	4.02	2.90	65.00	0/3	164.83	26.16	137.31	50.04
PV938	PV939	500.36	500.78	90.96	2.57	3.18	65.00	0/3	160.77	33.96	122.34	59.12
PV939	PV940	500.78	500.78	36.82	3.18	3.25	65.00	0/3	73.29	13.75	57.74	23.93
PV940	PV941	500.78	500.66	117.45	3.31	3.46	65.00	0/3	246.95	43.86	197.33	76.34
PV940	PV973	500.78	502.00	90.59	3.31	2.00	65.00	0/3	145.78	30.78	113.40	58.88
PV941	PV1004	500.66	501.92	92.54	2.96	2.80	65.00	0/3	164.19	31.45	131.11	60.15
PV942	PV945	507.35	507.30	69.45	1.50	2.70	65.00	0/3	86.58	23.60	61.76	45.13
PV945	PV948	507.30	506.33	74.59	2.70	3.06	65.00	0/3	132.21	25.35	105.54	48.48
PV947	PV957	505.86	504.93	73.97	1.20	2.01	65.00	0/3	68.99	25.14	42.55	48.08
PV948	PV949	506.33	505.37	79.74	3.06	3.06	65.00	0/3	150.75	27.10	122.24	51.83
PV949	PV953	505.37	504.50	92.15	3.06	3.30	65.00	0/3	181.31	31.31	148.36	59.89
PV951	PV956	503.99	503.36	92.66	2.34	3.00	65.00	0/3	151.34	31.49	118.21	60.23
PV951	PV957	503.99	504.93	79.23	2.34	2.01	65.00	0/3	104.11	26.92	75.79	51.50
PV953	PV954	504.50	503.79	97.29	3.30	3.64	65.00	0/3	209.72	33.06	174.94	63.24
PV954	PV955	503.79	502.47	72.04	3.64	3.49	65.00	0/3	159.91	24.48	134.15	46.83
PV955	PV956	502.47	503.36	96.25	3.45	3.00	65.00	0/3	192.21	32.71	157.80	62.56
PV958	PV959	509.56	508.57	65.25	1.21	1.21	65.00	0/3	44.92	22.17	21.59	42.41
PV959	PV961	508.57	508.44	10.57	1.21	1.21	65.00	0/3	7.28	3.59	3.50	6.87
PV961	PV962	508.44	507.42	72.08	1.21	1.21	65.00	0/3	49.61	24.49	23.85	46.85
PV962	PV963	507.42	506.48	72.96	1.21	1.21	65.00	0/3	50.22	24.79	24.14	47.42
PV963	PV965	506.48	504.81	90.46	1.21	1.21	65.00	0/3	62.27	30.74	29.93	58.80
PV965	PV966	504.81	504.81	99.45	1.21	1.68	65.00	0/3	83.10	33.79	47.55	64.64
PV966	PV968	504.81	504.81	41.70	1.68	1.87	65.00	0/3	44.00	14.17	29.09	27.10
PV968	PV970	504.81	504.22	81.89	1.87	1.67	65.00	0/3	86.16	27.83	56.88	53.23
PV970	PV971	504.22	503.05	81.69	1.67	1.21	65.00	0/3	67.99	27.76	38.78	53.10
PV971	PV973	503.05	502.00	100.64	1.80	2.00	65.00	0/3	114.42	34.20	78.44	65.42
PV971	PV1001	503.05	504.92	75.96	1.80	2.00	65.00	0/3	86.36	25.81	59.21	49.38
PV974	PV975	503.02	502.58	88.76	1.50	2.90	65.00	0/3	115.89	30.16	84.16	57.69
PV977	PV978	512.87	510.13	88.52	1.20	1.20	65.00	0/3	60.41	30.08	28.77	57.53
PV978	PV983	510.13	509.03	73.63	2.10	2.00	65.00	0/3	90.93	25.02	64.60	47.86
PV980	PV984	512.97	511.38	76.75	1.20	1.50	65.00	0/3	59.71	26.08	32.27	49.89
PV982	PV983	511.22	509.03	80.53	1.20	1.20	65.00	0/3	54.96	27.37	26.17	52.34
PV983	PV987	509.03	508.14	72.50	2.00	2.00	65.00	0/3	87.18	24.64	61.26	47.12
PV984	PV989	511.38	509.88	77.16	1.50	2.00	65.00	0/3	79.92	26.22	52.33	50.15
PV986	PV987	509.79	508.14	68.94	1.20	1.20	65.00	0/3	47.05	23.43	22.41	44.81
PV987	PV992	508.14	507.42	83.41	2.00	2.00	65.00	0/3	100.30	28.34	70.48	54.21
PV989	PV993	509.88	508.74	56.88	2.00	2.00	65.00	0/3	68.39	19.33	48.06	36.97

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PV991	PV992	508.72	507.42	55.93	1.20	1.20	65.00	0/3	38.17	19.01	18.18	36.36
PV992	PV1006	507.42	506.88	58.17	2.00	2.00	65.00	0/3	69.95	19.77	49.16	37.81
PV993	PV994	508.74	507.71	49.58	2.00	2.00	65.00	0/3	59.62	16.85	41.90	32.23
PV994	PV998	507.71	506.41	80.26	2.00	2.31	65.00	0/3	104.37	27.27	75.68	52.17
PV996	PV1000	506.44	505.87	104.12	2.00	2.00	65.00	0/3	125.20	35.38	87.98	67.68
PV996	PV1006	506.44	506.88	47.52	2.00	2.00	65.00	0/3	57.15	16.15	40.16	30.89
PV998	PV999	506.41	505.44	77.82	2.31	2.51	65.00	0/3	114.22	26.45	86.40	50.59
PV999	PV1002	505.44	504.34	86.86	2.51	2.60	65.00	0/3	135.77	29.52	104.72	56.46
PV1000	PV1001	505.87	504.92	100.97	2.00	2.00	65.00	0/3	121.42	34.31	85.32	65.63
PV1002	PV1003	504.34	502.81	92.33	2.60	2.40	65.00	0/3	140.99	31.38	107.98	60.01
PV1003	PV1004	502.81	501.92	96.95	2.40	2.80	65.00	0/3	154.22	32.95	119.56	63.02
PV1007	PV1009	527.96	527.28	66.73	1.20	1.85	65.00	0/3	59.16	22.67	35.31	43.37
PV1009	PV1010	527.28	526.48	56.42	1.85	2.13	65.00	0/3	67.44	19.17	47.27	36.68
PV1010	PV1012	526.48	525.58	83.27	2.13	2.16	65.00	0/3	107.86	28.30	78.09	54.12
PV1012	PV1013	525.58	524.90	89.32	2.16	2.48	65.00	0/3	125.82	30.35	93.89	58.06
PV1013	PV1015	524.90	523.92	86.08	2.50	2.51	65.00	0/3	131.77	29.25	101.00	55.96
PV1015	PV1016	523.92	522.64	82.85	2.51	2.22	65.00	0/3	119.32	28.16	89.70	53.85
PV1016	PV1018	522.64	521.42	69.56	2.22	2.11	65.00	0/3	91.08	23.64	66.21	45.22
PV1018	PV1019	521.42	520.01	76.94	2.11	2.11	65.00	0/3	97.78	26.15	70.27	50.01
PV1019	PV1020	520.01	518.53	67.05	2.11	2.01	65.00	0/3	83.01	22.78	59.04	43.58
PV1020	PV1022	518.53	517.55	70.06	2.01	2.01	65.00	0/3	84.48	23.81	59.43	45.54
PV1022	PV1023	517.55	516.18	73.88	2.01	2.01	65.00	0/3	89.08	25.11	62.67	48.02
PV1023	PV1025	516.18	514.71	67.50	2.01	2.01	65.00	0/3	81.39	22.94	57.26	43.88
PV1025	PV1026	514.71	512.97	63.14	2.01	2.01	65.00	0/3	76.13	21.46	53.56	41.04
PV1029	PV1030	528.67	528.10	55.97	1.20	1.86	65.00	0/3	49.73	19.02	29.73	36.38
PV1030	PV1032	528.10	527.53	85.64	1.86	2.34	65.00	0/3	108.20	29.10	77.59	55.67
PV1032	PV1033	527.53	526.94	86.87	2.34	2.81	65.00	0/3	136.49	29.52	105.43	56.46
PV1033	PV1035	526.94	525.91	83.95	2.81	2.78	65.00	0/3	144.32	28.53	114.30	54.57
PV1035	PV1036	525.91	524.60	85.07	2.78	2.50	65.00	0/3	137.81	28.91	107.40	55.30
PV1036	PV1038	524.60	523.26	70.06	2.50	2.50	65.00	0/3	107.18	23.81	82.13	45.54
PV1038	PV1039	523.26	521.93	79.96	2.50	2.50	65.00	0/3	122.32	27.17	93.73	51.97
PV1039	PV1040	521.93	520.64	63.34	2.50	2.40	65.00	0/3	94.83	21.53	72.18	41.17
PV1040	PV1042	520.64	519.24	70.69	2.40	2.40	65.00	0/3	103.54	24.02	78.27	45.95
PV1040	PV1072	520.64	522.65	73.65	2.40	1.50	65.00	0/3	85.25	25.03	58.92	47.87
PV1042	PV1043	519.24	517.84	72.74	2.40	2.20	65.00	0/3	101.78	24.72	75.77	47.28
PV1043	PV1045	517.84	515.67	64.84	2.27	2.00	65.00	0/3	83.71	22.03	60.53	42.14
PV1043	PV1101	517.84	519.81	76.84	2.27	1.40	65.00	0/3	83.27	26.11	55.80	49.94
PV1045	PV1046	515.67	514.71	66.87	2.00	2.00	65.00	0/3	80.53	22.72	56.63	43.46
PV1046	PV1048	514.71	513.07	64.69	2.00	2.00	65.00	0/3	77.92	21.98	54.79	42.05
PV1046	PV1100	514.71	516.57	78.72	2.00	1.40	65.00	0/3	78.81	26.75	50.67	51.17
PV1048	PV1049	513.07	511.43	65.86	2.00	1.80	65.00	0/3	75.00	22.38	51.46	42.81
PV1049	PV1051	511.43	509.72	66.04	1.80	1.80	65.00	0/3	70.95	22.44	47.34	42.92
PV1049	PV1099	511.43	513.15	79.18	1.80	1.40	65.00	0/3	74.39	26.91	46.08	51.46
PV1051	PV1052	509.72	508.01	67.93	1.80	1.80	65.00	0/3	72.98	23.09	48.70	44.16
PV1052	PV1054	508.01	505.76	76.73	2.11	1.90	65.00	0/3	92.59	26.08	65.16	49.87
PV1052	PV1098	508.01	509.25	74.18	2.11	1.20	65.00	0/3	71.45	25.21	44.93	48.21
PV1054	PV1056	505.76	504.45	60.66	1.90	1.90	65.00	0/3	69.16	20.62	47.47	39.43
PV1054	PV1097	505.76	507.25	73.90	1.90	1.20	65.00	0/3	66.53	25.11	40.11	48.03
PV1056	PV1057	504.45	503.13	62.46	1.90	2.37	65.00	0/3	80.50	21.23	58.17	40.60
PV1057	PV1059	503.13	502.47	56.60	2.37	2.40	65.00	0/3	82.27	19.23	62.03	36.79
PV1057	PV1096	503.13	503.77	75.48	2.37	1.20	65.00	0/3	78.43	25.65	51.45	49.05
PV1059	PV1060	502.47	501.79	63.65	2.40	3.50	65.00	0/3	115.10	21.63	92.35	41.37
PV1060	PV1062	501.79	499.66	58.98	3.50	3.00	65.00	0/3	118.70	20.04	97.62	38.33
PV1060	PV1095	501.79	501.96	69.52	3.50	2.25	65.00	0/3	122.03	23.62	97.18	45.18



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PV1062	PV1063	499.66	496.83	58.35	3.00	3.26	65.00	0/3	112.98	19.83	92.12	37.92
PV1063	PV1069	496.83	498.69	97.90	3.27	4.88	70.00	0/3	267.16	41.97	215.77	68.52
PV1063	PV1094	496.83	495.93	78.09	3.27	2.56	70.00	0/3	150.84	33.48	109.84	54.66
PV1073	PV1074	522.93	521.41	60.06	1.20	1.20	65.00	0/3	40.99	20.41	19.52	39.04
PV1074	PV1076	521.41	519.80	73.43	2.00	2.00	65.00	0/3	88.30	24.95	62.05	47.73
PV1074	PV1124	521.41	522.90	76.88	2.00	1.20	65.00	0/3	71.52	26.13	44.04	49.97
PV1076	PV1077	519.80	518.43	73.43	2.00	2.00	65.00	0/3	88.30	24.95	62.05	47.73
PV1077	PV1079	518.43	516.68	67.73	2.00	2.00	65.00	0/3	81.44	23.02	57.23	44.02
PV1077	PV1123	518.43	520.03	76.07	2.00	1.20	65.00	0/3	70.76	25.85	43.57	49.44
PV1079	PV1080	516.68	514.87	64.68	2.00	2.00	65.00	0/3	77.78	21.98	54.65	42.04
PV1080	PV1082	514.87	512.85	70.90	2.00	2.00	65.00	0/3	85.26	24.09	59.91	46.08
PV1080	PV1122	514.87	516.54	72.96	2.00	1.20	65.00	0/3	67.87	24.79	41.79	47.42
PV1082	PV1083	512.85	510.49	69.27	2.00	2.00	65.00	0/3	83.30	23.54	58.53	45.03
PV1083	PV1085	510.49	508.41	71.33	2.00	2.00	65.00	0/3	85.77	24.24	60.27	46.36
PV1083	PV1121	510.49	511.89	73.74	2.00	1.20	65.00	0/3	68.60	25.06	42.24	47.93
PV1085	PV1087	508.41	506.37	64.86	2.00	2.00	65.00	0/3	77.99	22.04	54.81	42.16
PV1085	PV1120	508.41	509.63	69.51	2.00	1.20	65.00	0/3	64.66	23.62	39.81	45.18
PV1087	PV1088	506.37	504.55	60.60	2.00	2.50	65.00	0/3	81.90	20.44	60.40	39.09
PV1088	PV1090	504.55	503.25	59.34	3.00	2.50	65.00	0/3	100.13	20.17	78.92	38.57
PV1088	PV1119	504.55	505.20	62.43	3.00	2.60	65.00	0/3	107.43	21.21	85.11	40.58
PV1090	PV1091	503.25	502.04	61.31	2.50	2.50	65.00	0/3	93.65	20.83	71.73	39.85
PV1091	PV1092	502.04	499.22	56.13	2.50	2.50	65.00	0/3	85.73	19.07	65.67	36.48
PV1092	PV1093	499.22	495.83	60.39	2.50	2.09	65.00	0/3	84.07	20.52	62.48	39.25
PV1093	PV1094	495.83	495.93	74.80	2.65	2.56	70.00	0/3	128.70	32.07	89.43	52.36
PV1103	PV1104	525.45	524.28	62.18	1.20	1.90	65.00	0/3	55.89	21.13	33.67	40.41
PV1104	PV1106	524.28	522.96	71.19	1.90	1.90	65.00	0/3	80.98	24.19	55.53	46.27
PV1106	PV1107	522.96	521.48	71.19	1.90	1.90	65.00	0/3	80.98	24.19	55.53	46.27
PV1107	PV1109	521.48	519.76	72.41	1.90	1.90	65.00	0/3	82.37	24.61	56.48	47.07
PV1109	PV1110	519.76	517.77	64.04	1.90	2.25	65.00	0/3	80.02	21.76	57.12	41.62
PV1110	PV1112	517.77	515.45	68.03	2.25	2.25	65.00	0/3	92.86	23.12	68.54	44.22
PV1112	PV1113	515.45	513.12	72.13	2.25	2.25	65.00	0/3	98.46	24.51	72.67	46.89
PV1113	PV1115	513.12	510.53	72.16	2.25	2.25	65.00	0/3	98.49	24.52	72.70	46.90
PV1115	PV1117	510.53	508.30	61.90	2.25	2.25	65.00	0/3	84.49	21.03	62.36	40.23
PV1117	PV1118	508.30	505.80	58.90	2.25	1.80	65.00	0/3	71.61	20.01	50.55	38.28
PV1118	PV1119	505.80	505.20	73.79	1.80	2.60	65.00	0/3	97.70	25.08	71.32	47.96

### Número de poços por profundidades

Profundidade m	Número de poços de visita
1.20	464
1.37	4
2.27	2
2.71	7
2.99	7
3.18	6
3.41	2
2.73	6
2.51	15
2.21	8
1.80	34
1.31	1
2.00	63
2.60	11
2.95	3

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2.90	7
2.45	6
2.40	16
2.20	11
2.01	15
1.42	3
2.30	13
2.77	4
3.10	5
3.20	18
3.00	11
1.50	34
1.30	3
2.25	12
3.04	4
3.06	4
2.96	2
2.76	2
2.42	3
1.98	1
1.32	1
2.80	13
3.22	2
2.63	1
2.13	3
1.22	1
1.94	17
2.62	1
2.50	33
1.54	3
3.26	3
3.90	7
1.36	3
1.44	6
1.55	2
1.63	2
1.72	3
1.78	2
1.82	2
2.68	2
2.82	2
1.74	1
1.73	1
2.09	3
2.11	7
2.33	4
2.15	8
2.10	4
2.46	1
2.35	2
2.54	2
1.85	3
2.31	1
1.75	2

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1.34	3
1.68	4
1.67	4
1.40	11
3.50	9
1.57	7
1.47	3
3.40	3
3.75	3
1.46	1
1.52	2
1.41	1
3.78	3
3.46	2
1.59	5
3.08	2
3.30	4
3.48	2
3.65	5
3.37	1
3.94	4
4.14	2
3.82	3
3.96	1
3.97	2
3.99	1
3.87	1
3.72	3
4.24	4
4.19	1
4.27	3
3.54	2
3.44	1
3.74	1
3.24	2
3.58	1
3.60	4
3.80	3
4.00	3
4.05	2
4.29	1
4.25	1
1.53	1
3.14	3
3.91	2
3.70	1
2.85	3
2.92	1
4.34	1
4.54	1
3.28	2
3.02	2
4.12	1
1.27	2

## Relatório geral da instalação – Bacia nº 01

1.62	1
3.05	1
2.94	4
2.65	3
2.17	1
1.90	8
2.05	2
1.65	2
1.49	2
1.21	1
1.87	2
2.56	2
2.37	2
1.70	3
3.52	1
2.18	1
2.07	1
2.03	1
2.97	1
2.41	1
3.33	1
2.87	3
3.68	1
3.61	1
3.56	1
2.79	1
3.25	1
3.85	1
4.99	1
5.30	1
1.95	1
4.33	1
2.74	1
3.63	1
4.02	1
2.57	1
3.31	1
2.34	1
2.22	1
1.86	1
4.88	1
3.55	1
Total	1160