















115255	wPt-3879	6D	80.01	92.22	0.39	1	1	1	0	0	0	0	1	1	1	1	1
120644	wPt-1054	6D	81.95	95.56	0.39	1	1	1	0	0	0	X	1	1	1	1	1
121424	wPt-6622	6D	85.95	93.33	0.40	1	1	1	0	0	0	0	1	1	1	1	1
66479	wPt-4602	6D	78.90	91.11	0.41	1	1	1	0	0	0	X	X	X	1	1	1
116534	wPt-6019	7A	82.00	96.67	0.31	0	1	1	1	1	1	1	1	1	1	1	1
121469	wPt-1023	7A	84.50	97.78	0.33	0	1	1	1	1	1	1	1	1	1	1	1
115554	wPt-8399	7A	75.35	85.56	0.38	1	1	1	0	0	0	0	1	X	1	1	1
120171	wPt-6273	7A	85.91	96.67	0.42	1	1	1	0	0	0	0	1	0	1	1	1
116603	wPt-8418	7A	80.00	92.22	0.42	1	1	1	X	1	0	0	1	0	1	1	X
116493	wPt-4172	7A	88.04	98.89	0.43	1	1	1	0	0	0	0	1	0	1	1	1
116885	wPt-0008	7A	85.53	98.89	0.43	1	1	1	0	0	0	0	1	0	1	1	1
116429	wPt-9207	7A	90.22	97.78	0.43	0	0	0	1	1	1	1	0	1	0	1	0
116512	wPt-7318	7B	77.41	95.56	0.22	0	0	0	1	1	1	1	1	1	1	X	1
120737	wPt-0530	7B	79.94	92.22	0.34	1	1	1	0	0	0	X	1	1	0	1	1
120870	wPt-3730	7B	82.04	87.78	0.35	1	1	1	0	0	1	0	1	0	1	0	1
115514	wPt-0786	7B	83.81	95.56	0.36	1	1	1	0	0	0	0	1	1	1	0	1
119506	wPt-4038	7B	81.22	96.67	0.37	1	1	1	0	0	0	0	1	1	0	1	1
115534	wPt-1085	7B	86.74	96.67	0.38	1	1	1	0	0	0	0	1	1	0	1	1
116579	wPt-2356	7B	87.61	100.00	0.38	1	1	1	0	0	0	0	1	1	0	1	1
116813	wPt-4300	7B	79.18	86.67	0.38	1	1	1	X	0	X	X	1	1	0	1	1
116379	wPt-0600	7B	87.91	98.89	0.39	1	1	1	0	0	0	0	1	1	0	1	1
116765	wPt-7108	7B	80.26	94.44	0.39	0	0	X	1	1	1	1	1	0	1	0	0
116564	wPt-1149	7B	77.94	85.56	0.40	1	1	1	0	X	X	X	1	0	1	1	1
116637	wPt-5138	7B	85.18	95.56	0.41	0	0	0	1	1	1	1	0	0	1	0	0
116502	wPt-7887	7B	76.02	90.00	0.42	1	0	1	1	1	1	1	0	0	0	1	1
116954	wPt-0884	7B	82.73	82.22	0.42	0	0	0	1	1	1	1	1	0	1	0	0
116644	wPt-2305	7B	86.76	96.67	0.42	1	1	1	0	0	0	0	1	0	1	0	1
121193	wPt-6657	7B	79.74	90.00	0.43	1	1	1	0	0	0	0	1	1	1	1	1
115281	wPt-8283	7B	81.67	95.56	0.45	1	1	1	0	X	0	0	1	0	1	1	X
115869	wPt-1723	7B	79.63	86.67	0.46	1	1	1	0	0	X	X	1	0	1	1	1
119711	wPt-5049	7D	89.87	96.67	0.35	1	1	1	0	0	0	0	1	1	1	1	1
116179	wPt-3727	7D	87.08	96.67	0.35	1	1	1	0	X	0	0	1	1	1	1	1
121316	wPt-3923	7D	90.97	100.00	0.36	1	1	1	0	0	0	0	1	1	1	1	1
116467	wPt-2258	7D	90.04	100.00	0.36	1	1	1	0	0	0	0	1	1	1	1	1
63648	wPt-5150	7D	89.08	98.89	0.36	1	1	1	0	0	0	0	1	1	1	1	1
121292	wPt-5674	7D	86.79	97.78	0.36	1	1	1	0	0	0	0	1	1	1	1	1
119864	wPt-1269	7D	84.70	97.78	0.36	1	1	1	0	0	0	0	X	1	1	1	1
116934	wPt-0934	7D	89.28	100.00	0.37	1	1	1	0	0	0	0	1	1	1	1	1
116197	wPt-2565	7D	89.47	98.89	0.37	1	1	1	0	0	0	0	1	1	1	1	1
121368	wPt-1205	7D	89.39	98.89	0.37	1	1	1	0	0	0	0	1	1	1	1	1
121315	wPt-2551	7D	85.60	98.89	0.37	1	1	1	0	0	0	0	1	1	1	1	1
120341	wPt-6606	7D	77.92	91.11	0.39	1	1	1	0	0	0	1	X	1	1	1	1
<b>Low PIC markers</b>																	
66776	wPt-1272	4B	77.25	100.00	0.04	0	0	0	0	0	1	1	0	0	0	0	0
116416	wPt-9382	6A	74.08	100.00	0.04	0	0	0	1	1	0	0	0	0	0	0	0





1	1	1	1	1	1	0	1	1	1	X	1	1	1	1	1	1	1	1	1	1	0	0	1	0			
1	1	X	1	1	0	0	1	1	1	1	0	1	1	0	1	1	1	1	1	1	1	0	1	1	0		
1	1	1	1	1	1	0	1	1	1	1	0	1	1	1	1	1	X	1	1	1	X	1	1	0			
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1	1	1	X	1	0	1	1	1	1	1	1	1	0	X	1	0	1	1	1	0	1	1	1	1			
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1	1	1	1	1	1	1	1	1	1	1	1	X	1	X	X	1	1	1	1	1	1	1	0	1	1		
1	1	1	1	X	0	1	1	1	1	1	1	1	0	1	1	0	1	1	1	0	1	1	1	0			
1	1	X	1	1	0	1	1	1	1	X	1	1	1	0	1	1	0	1	1	1	0	1	1	1			
1	1	1	1	1	1	0	1	1	1	1	0	1	1	1	1	1	1	1	X	1	1	X	0	1	0		
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1	1	1	1	1	X	0	0	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	0	1	1	0	
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1	1	1	1	1	0	0	X	1	1	X	1	1	0	0	1	1	1	1	1	1	1	0	1	1	0		
X	1	1	1	1	0	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	X	1	0	1	1	0	
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X	1	1	1	1	1	1	X	1	1	1	1	0	0	0	1	1	1	1	0	1	0	1	1	0	1	1	
1	1	X	1	X	1	0	1	1	1	1	0	1	1	1	1	1	1	X	1	1	1	0	1	1	0		
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1	1	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1	0	
1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1	0	
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1	1	1	1	1	1	0	1	1	1	1	0	1	1	1	1	1	1	1	1	1	X	1	0	0	1	0	
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X	1	1	1	1	0	1	1	1	1	1	1	1	0	1	1	0	1	X	1	0	1	1	0	1	X	0	
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1	1	1	1	1	1	0	X	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	
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1	1	1	1	1	1	0	1	1	1	1	0	1	1	1	1	1	1	1	X	1	1	1	X	0	1	0	















2-5- H 3	2-5- A 6	2-5- B 6	2-5- C 6	2-5- D 6	2-5- E 6	2-5- F 6	2-5- G 6	2-5- H 6	2-5- A 7	2-5- B 7	2-5- C 7	2-5- D 7	2-5- E 7	2-5- F 7	2-5- G 7	2-5- H 7	2-5- A 8	2-5- B 8	2-5- C 8	2-5- D 8	2-5- E 8	2-5- F 8	2-5- G 8	2-5- H 8	2-5- A 9
2-49xBellaroi 3: 5	2-49xBellaroi 3: 6	2-49xBellaroi 3: 6	2-49xBellaroi 3: 6	2-49xBellaroi 3: 6	2-49xBellaroi 3: 6	2-49xBellaroi 3: 6	2-49xBellaroi 3: 6	2-49xBellaroi 4: 6	2-49xBellaroi 4: 7	2-49xBellaroi 4: 7	2-49xBellaroi 4: 7	2-49xBellaroi 4: 7	2-49xBellaroi 4: 7	2-49xBellaroi 4: 7	2-49xBellaroi 4: 7	2-49xBellaroi 4: 7	2-49xBellaroi 4: 7	2-49xBellaroi 5: 8	2-49xBellaroi 5: 8	2-49xBellaroi 5: 8	2-49xBellaroi 5: 8	2-49xBellaroi 5: 8	2-49xBellaroi 5: 8	2-49xBellaroi 5: 8	2-49xBellaroi 5: 9
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1	1	1	1	1	X	1	1	0	1	X	X	X	1	1	1	1	X	X	1	1	1	1	0	1	1
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X	1	1	1	1	X	1	1	0	1	X	X	X	1	1	1	1	1	X	1	1	1	1	0	1	1
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X	1	0	X	1	1	0	X	0	1	0	1	1	1	1	1	1	X	0	1	1	0	0	0	1	1
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1	X	0	1	1	0	1	1	0	0	X	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1
1	1	0	1	0	X	X	X	0	X	0	1	X	1	1	1	1	1	0	1	0	1	0	0	1	1

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X	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	0	1	X	
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1	0	1	1	0	1	1	1	1	0	0	X	1	0	X	1	0	X	X	X	1	X	1	1	X	
1	1	0	1	X	0	1	1	0	1	0	1	X	1	1	X	1	X	0	X	0	1	0	0	1	1
1	1	0	1	0	0	1	1	0	1	0	1	X	1	1	1	1	1	0	1	0	1	0	0	1	X
1	1	X	X	1	0	1	1	0	0	0	X	1	1	1	1	1	1	1	1	0	1	X	X	1	
1	1	X	1	0	0	1	1	0	1	1	1	1	1	1	1	0	1	0	1	0	1	1	0	1	1
1	1	1	1	1	X	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0	1	1
1	1	0	X	1	1	0	1	0	1	0	1	1	1	1	1	1	0	1	1	1	0	X	0	1	1
1	1	1	1	1	0	1	1	1	0	X	1	1	1	0	1	1	1	1	1	1	1	1	X	1	1
1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	0	1	1	
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1	0	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	0	0	1	1
1	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	0	1	1
1	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	0	1	1
1	0	1	1	0	1	1	1	1	X	1	1	1	1	1	0	1	0	0	1	X	1	1	0	1	0	0
1	0	1	1	0	1	X	1	1	1	1	1	1	1	X	1	0	1	0	0	1	1	1	1	0	1	0
1	0	1	X	0	X	0	1	1	1	1	1	1	0	0	X	0	0	1	X	1	1	1	1	X	0	0
0	1	0	0	1	0	1	0	1	0	0	0	0	1	1	1	1	1	1	1	0	0	0	1	1	1	1
X	0	1	1	0	X	X	1	1	X	X	X	1	1	1	0	1	0	0	X	1	1	1	0	1	0	0
0	0	1	1	1	1	1	1	1	0	1	1	1	1	X	1	0	1	0	X	1	1	1	1	X	0	0
0	0	1	1	1	1	1	1	1	0	1	1	1	1	0	1	0	1	0	1	0	1	1	1	1	1	0
1	1	0	1	1	1	1	0	1	0	1	0	0	1	1	1	0	1	0	1	1	1	1	1	1	1	1
0	0	1	1	1	1	1	1	1	1	0	1	1	1	1	0	1	0	1	0	1	1	X	1	1	0	0
0	0	1	1	1	1	1	1	1	1	0	1	1	1	1	0	1	0	1	0	1	1	1	1	1	1	0







						E/eric/15-10-(15-10-(15-10-(15-10-(15-10-(15-10-(15-10-(15-10-							
						C	F	F	G	H	A	B	C
						1	1	5	5	5	6	6	6
Manually corrected to remove date format of sample names						2-49	Bellaroi	9-1	9-2	13-1	13-2	15-1	18-1
MarkerName	Chromosome	Q	Call Rate	PIC	Discordance (56 scores)	2/01/1949	Bellaroi	1/09/2008	2/09/2008	13/01/2008	13/02/2008	15/01/2008	18/01/2008
wPt-11483	-	74.174	98.649	0.126	0	1	1	1	1	1	1	0	1
wPt-10999	-	75.093	94.595	0.133	0	1	0	1	1	1	1	0	1
wPt-6036	-	79.292	93.919	0.134	0	1	0	1	1	1	1	0	1
wPt-3318	-	74.736	95.946	0.145	0	1	0	1	1	1	1	0	1
wPt-6724	-	84.387	85.135	0.164	0	1	0	-	1	1	1	0	1
wPt-10934	-	73.615	88.514	0.189	0.024	1	0	1	1	1	1	0	1
wPt-9643	-	76.264	85.811	0.192	0	1	0	1	1	1	-	-	1
wPt-0437	-	81.815	95.946	0.202	0	1	1	1	1	1	1	0	1
wPt-7719	-	81.666	95.946	0.214	0	1	0	1	1	1	1	0	1
wPt-1843	-	84.617	87.162	0.219	0	1	0	1	1	1	1	-	1
wPt-0886	-	73.852	92.568	0.222	0	1	0	1	1	1	1	0	1
wPt-8939	-	73.032	90.541	0.226	0	1	0	1	1	1	1	0	1
wPt-10314	-	73.345	86.486	0.226	0	1	0	1	-	1	1	1	1
wPt-5936	-	83.615	94.595	0.23	0	1	0	1	1	1	1	0	1
wPt-8477	-	75.561	93.919	0.234	0	1	0	1	1	1	1	0	1
wPt-10974	-	85.108	93.243	0.236	0	1	0	1	1	1	1	0	1
wPt-0372	-	79.403	97.297	0.238	0	1	0	1	1	1	1	0	1
wPt-10211	-	77.824	94.595	0.243	0	1	0	1	1	1	1	0	1
wPt-9988	-	79.112	97.297	0.25	0	1	0	1	1	1	1	0	1
wPt-7020	-	74.013	92.568	0.25	0	1	0	1	1	1	1	0	1
wPt-5183	-	82.64	98.649	0.259	0	1	0	1	1	1	1	0	1
wPt-3570	-	83.699	96.622	0.264	0	1	0	1	1	1	1	0	1
wPt-3809	-	80.669	95.946	0.264	0	1	0	1	1	1	1	0	1
wPt-6685	-	79.356	83.108	0.264	0	1	0	1	1	1	1	0	1
wPt-6938	-	81.337	86.486	0.267	0	1	0	1	1	1	1	0	1
wPt-5201	-	73.739	89.189	0.269	0	1	0	1	1	1	1	0	1
wPt-0251	-	86.093	89.865	0.271	0	1	0	-	0	1	1	0	1
wPt-8861	-	74.561	81.081	0.271	0	1	0	1	1	1	1	0	1
wPt-2097	-	81.68	96.622	0.276	0	1	0	1	1	1	1	0	1
wPt-7253	-	79.612	87.162	0.278	0	1	0	1	1	1	1	0	1
wPt-10516	-	78.819	84.459	0.282	0	1	0	1	1	1	1	-	0
wPt-6613	-	73.841	88.514	0.286	0	1	0	1	-	1	1	0	1
wPt-6225	-	75.873	88.514	0.288	0	1	0	1	1	1	1	0	1
wPt-2062	-	80.172	93.919	0.291	0	1	0	1	1	1	1	0	1
wPt-6143	-	80.659	85.811	0.293	0	1	0	-	0	1	1	0	1
wPt-2580	-	76.512	85.135	0.298	0	1	0	0	-	1	1	0	1
wPt-8342	-	83.633	89.189	0.306	0	1	0	0	-	1	1	0	1
wPt-3268	-	76.615	86.486	0.308	0	1	0	0	0	1	1	0	-
wPt-10830	-	78.854	81.757	0.31	0	1	0	1	-	1	1	0	1
wPt-7693	-	79.607	85.135	0.31	0.024	1	0	0	0	1	1	0	1
wPt-7442	-	79.564	95.946	0.311	0	1	0	1	1	1	1	0	1
----	-	73.745	91.216	0.313	0	1	0	1	1	-	-	0	1
wPt-10662	-	88.767	97.973	0.316	0	1	0	1	1	1	1	0	1
wPt-6659	-	78.204	81.757	0.317	0	1	0	0	0	1	1	-	1
wPt-5373	-	91.794	80.405	0.317	0	1	0	-	-	1	1	0	1
wPt-2069	-	84.022	95.946	0.32	0	1	0	1	1	-	1	0	1
wPt-6259	-	77.977	92.568	0.32	0	1	-	1	1	1	1	0	1

wPt-2920	-	79.055	91.892	0.32	0	1	0	1	1	1	1	0	0
wPt-8173	-	75.489	86.486	0.32	0	1	0	1	1	1	1	0	1
wPt-4170	-	87.824	98.649	0.324	0	1	0	1	1	1	1	0	1
wPt-9114	-	81.853	93.919	0.326	0	1	0	1	1	1	1	0	1
wPt-9804	-	82.201	91.216	0.327	0	1	0	0	0	1	1	0	1
wPt-2863	-	78.643	91.216	0.327	0	1	0	0	0	1	1	0	1
wPt-8382	-	74.891	90.541	0.327	0	1	0	1	1	1	-	0	1
wPt-9498	-	74.561	87.838	0.327	0	1	0	1	-	1	1	0	1
wPt-0249	-	74.594	85.135	0.327	0	1	-	1	1	1	1	-	-
wPt-11119	-	77.771	87.838	0.331	0	1	0	0	0	1	1	0	-
wPt-9820	-	88.744	99.324	0.332	0	1	0	1	1	1	1	0	1
wPt-6439	-	76.009	86.486	0.332	0	1	0	1	1	1	1	0	1
wPt-8118	-	78.784	85.811	0.332	0.026	1	0	1	1	1	1	0	1
wPt-5683	-	77.657	92.568	0.333	0	1	0	1	1	1	1	0	1
wPt-6068	-	90.6	97.973	0.336	0	1	0	1	1	1	1	0	1
wPt-2080	-	80.711	96.622	0.34	0	1	0	-	1	1	1	0	0
wPt-6978	-	76.445	89.189	0.34	0	1	0	1	1	1	1	0	1
wPt-1944	-	78.911	86.486	0.341	0	1	0	1	1	-	1	0	1
wPt-9610	-	83.135	91.216	0.346	0	1	0	0	0	1	1	0	1
wPt-9739	-	90.591	100	0.349	0	1	0	1	1	1	1	0	1
wPt-6096	-	88.909	100	0.349	0	1	0	1	1	1	1	0	1
wPt-11098	-	91.313	93.919	0.349	0	1	0	1	1	1	1	0	1
wPt-1952	-	74.417	86.486	0.349	0	1	0	1	1	1	1	0	1
wPt-0356	-	86.774	99.324	0.351	0	1	0	0	0	1	1	0	1
wPt-7068	-	87.422	95.946	0.352	0	1	0	0	0	1	1	0	1
wPt-7746	-	86.577	95.27	0.352	0	0	1	0	1	1	1	1	1
wPt-6342	-	88.901	98.649	0.353	0	1	0	1	1	1	1	0	1
wPt-3960	-	73.89	89.189	0.353	0	1	0	1	1	-	-	0	1
wPt-5574	-	82.344	94.595	0.354	0	1	0	1	1	1	-	0	1
wPt-6405	-	82.152	92.568	0.354	0	1	0	0	0	1	1	0	1
wPt-5555	-	80.324	92.568	0.354	0	1	0	1	1	1	1	0	1
wPt-4093	-	87.682	97.973	0.355	0	1	0	1	1	1	1	0	1
wPt-0650	-	79.283	91.892	0.356	0	1	0	1	1	1	1	0	1
wPt-7774	-	89.567	97.297	0.357	0	1	0	0	0	1	1	0	1
wPt-10741	-	75.996	89.189	0.358	0.023	1	0	1	1	1	1	0	1
wPt-0937	-	88.25	96.622	0.359	0	1	0	1	1	1	1	0	0
wPt-3144	-	84.897	96.622	0.359	0	1	0	1	1	1	1	0	1
wPt-8298	-	76.889	86.486	0.36	0	1	-	-	1	1	1	0	1
wPt-7411	-	74.669	86.486	0.36	0	1	0	1	1	1	1	0	0
wPt-10171	-	84.295	95.27	0.361	0	1	0	1	1	1	1	1	1
wPt-5758	-	82.145	93.243	0.361	0	1	0	0	0	1	1	0	1
wPt-6051	-	75.407	90.541	0.361	0.021	1	0	1	1	-	-	0	1
wPt-0509	-	73.72	85.811	0.362	0	1	0	0	0	1	1	0	-
wPt-11035	-	76.872	91.892	0.363	0	1	0	1	1	1	-	0	1
wPt-8610	-	79.674	90.541	0.363	0	1	0	0	0	1	1	0	1
wPt-4441	-	81.579	93.919	0.366	0	1	0	0	0	1	1	0	1
wPt-9244	-	82.724	91.892	0.366	0	1	0	1	1	1	1	0	1
wPt-8130	-	78.51	91.216	0.368	0	1	0	1	1	1	1	0	1
wPt-9830	-	81.037	86.486	0.368	0	1	0	1	1	1	1	0	1
wPt-7243	-	80.854	92.568	0.37	0	1	0	1	1	1	1	0	1
wPt-3500	-	81.301	92.568	0.37	0	1	0	0	0	1	1	0	1
----	-	74.002	85.135	0.373	0	1	0	1	-	1	1	0	1
wPt-0451	-	87.277	97.297	0.375	0	1	0	1	1	1	1	0	1
wPt-2277	-	86.331	89.865	0.377	0	1	0	1	1	1	1	0	1
wPt-7447	-	85.069	89.189	0.384	0	1	0	1	1	1	1	0	1
wPt-10299	-	89.41	96.622	0.386	0	1	0	1	-	1	1	0	1
wPt-10680	-	79.979	92.568	0.386	0	1	-	1	0	0	0	1	1
wPt-5517	-	78.984	91.216	0.386	0	1	0	0	0	1	1	0	1
wPt-2419	-	91.663	98.649	0.387	0	1	0	1	-	1	1	0	1

wPt-0789	-	81.372	92.568	0.388	0.019	1	0	0	0	1	1	0	1
wPt-7416	-	78.818	89.865	0.389	0	1	0	1	0	0	0	1	1
wPt-9366	-	80.492	90.541	0.391	0	1	0	1	1	1	-	0	1
wPt-0348	-	80.411	91.216	0.393	0	1	0	1	1	1	1	0	1
wPt-8055	-	82.937	85.811	0.396	0	1	0	1	1	1	1	0	1
----	-	84.29	91.892	0.401	0	1	0	1	-	1	1	0	1
wPt-3273	-	77.787	85.811	0.401	0	1	0	1	-	1	1	0	1
wPt-2330	-	73.999	81.081	0.406	0	1	0	1	1	1	-	0	-
wPt-6445	-	77.425	88.514	0.408	0	1	0	-	-	1	1	1	1
----	-	74.005	89.865	0.409	0	1	0	1	-	1	1	0	1
wPt-7060	-	88.476	97.297	0.412	0	1	0	1	1	1	1	0	1
wPt-2059	-	92.709	100	0.413	0	1	0	1	1	1	1	0	1
wPt-10247	-	73.95	83.784	0.413	0	1	0	0	0	-	0	1	1
wPt-3254	-	89.856	97.297	0.414	0	1	0	1	0	1	0	1	1
wPt-11419	-	90.036	95.27	0.414	0	1	0	-	1	1	1	1	1
wPt-0085	-	82.146	90.541	0.414	0	1	0	1	1	1	1	0	1
wPt-8394	-	80.833	89.865	0.416	0	1	0	1	1	1	1	0	1
wPt-0486	-	82.6	92.568	0.418	0	1	0	1	1	1	1	0	1
wPt-4027	-	90.307	97.297	0.421	0	1	0	1	1	1	1	0	1
wPt-7741	-	87.349	94.595	0.421	0	1	0	1	1	1	1	0	1
wPt-9662	-	89.139	95.946	0.423	0	1	0	1	1	1	1	0	1
wPt-6113	-	82.524	93.919	0.423	0	1	0	1	1	1	1	0	1
wPt-6929	-	79.509	90.541	0.429	0.021	1	0	1	0	-	0	1	1
wPt-11155	-	87.42	93.919	0.43	0	1	0	1	1	1	1	0	1
wPt-10785	-	77.198	82.432	0.432	0	1	0	0	1	1	1	0	1
wPt-11220	-	79.447	89.865	0.444	0	1	0	1	-	1	1	0	1
wPt-10336	-	76.811	87.162	0.444	0	1	0	1	0	-	0	1	1
wPt-10706	-	74.39	81.757	0.444	0	1	0	1	0	1	0	1	1
wPt-4197	-	84.393	94.595	0.452	0.017	1	1	1	0	1	1	1	1
wPt-3201	-	82.553	89.189	0.454	0	1	0	1	-	0	1	0	1
wPt-4401	-	78.006	88.514	0.454	0.023	1	-	0	0	1	0	1	1
wPt-5263	-	74.259	87.162	0.455	0.021	0	1	0	1	1	1	1	1
wPt-11436	-	77.604	87.162	0.455	0.021	1	0	1	-	1	1	0	1
wPt-6407	-	80.042	86.486	0.458	0	1	-	0	0	1	0	1	1
wPt-0418	-	76.075	86.486	0.458	0.023	-	0	1	-	1	1	0	1
wPt-8398	-	78.846	86.486	0.46	0	0	1	1	0	1	1	1	1
wPt-10464	-	82.171	90.541	0.461	0	1	0	0	0	1	0	1	1
wPt-10422	-	88.653	96.622	0.464	0	0	1	1	1	0	0	0	1
wPt-10544	-	84.894	93.919	0.466	0	1	0	1	1	0	0	0	0
wPt-1743	-	90.833	97.297	0.467	0	0	1	-	0	0	0	1	1
wPt-11254	-	78.377	89.865	0.468	0	0	1	1	1	0	0	1	1
wPt-2751	-	85.079	93.919	0.477	0	1	0	0	1	0	0	0	1
wPt-0745	-	86.439	93.243	0.477	0	0	1	0	0	1	1	1	0
wPt-2357	-	77.227	84.459	0.477	0	1	0	1	1	0	-	1	1
wPt-3517	-	76.305	89.189	0.477	0.023	-	0	1	1	0	0	1	1
wPt-6673	-	75.962	83.784	0.482	0	1	0	-	0	1	0	-	0
wPt-2883	-	74.975	81.081	0.482	0	1	0	-	-	1	1	1	1
wPt-10874	-	86.037	88.514	0.486	0	0	1	0	1	1	1	0	-
wPt-10714	-	75.281	85.811	0.497	0.025	0	1	1	0	0	0	0	0
wPt-10944	1A	88.401	88.514	0.313	0	1	0	1	1	1	1	0	1
wPt-9802	1A	80.569	89.189	0.368	0	1	0	1	1	1	-	0	-
wPt-8770	1A	80.842	89.189	0.4	0	0	1	0	0	0	0	1	0
wPt-6754	1A	85.539	97.973	0.432	0	1	0	1	1	1	1	0	1
wPt-8644	1A	93.544	97.297	0.434	0	1	0	1	1	1	1	0	1
wPt-8504	1A	75.556	85.135	0.444	0.025	1	-	1	1	0	0	0	0
wPt-4709	1A	92.365	89.865	0.456	0	1	0	1	1	1	1	0	1
wPt-2527	1A	78.638	80.405	0.458	0	1	0	1	1	1	1	0	1
wPt-9752	1A	75.003	89.865	0.46	0.02	0	1	0	0	0	0	1	0
wPt-2872	1A	80.171	86.486	0.491	0.024	1	0	1	1	-	0	0	0

wPt-7872	1A	93.184	99.324	0.499	0	1	0	1	1	0	0	0	0
wPt-2311	1A	91.127	98.649	0.499	0	1	0	1	1	0	0	0	0
wPt-9266	1A	94.303	96.622	0.5	0	1	0	1	1	0	0	0	0
wPt-1770	1A 1B	83.383	96.622	0.357	0	0	1	0	1	1	1	1	1
wPt-1313	1A 1B	81.041	89.865	0.382	0	0	1	0	1	1	1	1	1
wPt-0128	1A 2A	81.148	93.243	0.392	0	0	1	1	1	0	0	0	1
wPt-5374	1A 2B	80.213	91.216	0.48	0.022	1	0	-	1	0	0	0	0
wPt-3836	1A 7A	78.168	83.108	0.403	0	1	0	1	-	0	0	0	-
wPt-3451	1B	81.306	83.108	0.385	0	0	1	1	0	1	-	1	1
wPt-8832	1B	84.465	84.459	0.387	0	1	0	1	1	0	-	0	0
wPt-5562	1B	89.474	97.973	0.397	0	0	1	1	0	1	1	1	0
wPt-1684	1B	80.476	91.892	0.422	0	0	1	1	0	1	1	1	0
wPt-7347	1B	87.7	86.486	0.44	0	1	0	-	1	1	1	0	1
wPt-1403	1B	81.527	87.162	0.455	0	1	0	1	1	0	0	0	1
wPt-2526	1B	84.026	93.919	0.456	0	1	0	1	1	0	0	0	0
wPt-2315	1B	80.053	84.459	0.457	0	1	0	1	1	1	1	0	1
wPt-3477	1B	78.917	85.811	0.469	0	1	0	0	1	0	0	0	1
wPt-4129	1B	83.032	92.568	0.475	0	1	-	1	1	0	0	0	0
wPt-0944	1B	82.581	92.568	0.478	0	1	0	1	1	0	0	0	0
wPt-4532	1B	83.746	93.243	0.483	0	1	0	1	1	0	0	0	0
wPt-6442	1B	77.284	87.838	0.491	0	1	0	0	1	0	0	0	1
wPt-0260	1B	83.616	91.892	0.496	0	1	0	0	1	1	1	1	1
wPt-10960	1B	79.728	86.486	0.497	0.025	1	0	0	1	-	1	0	0
wPt-3566	1B	85.314	91.892	0.5	0	1	0	1	1	1	1	0	0
wPt-9369	1B 3A	74.125	87.162	0.431	0	1	0	1	1	0	0	0	1
wPt-5313	1B 3D	77.73	89.189	0.4	0.019	1	0	1	-	1	1	0	1
wPt-8267	1B 7B	81.555	86.486	0.482	0	1	0	0	1	0	0	0	1
wPt-7094	1B 7B	79.49	84.459	0.49	0	1	0	0	1	0	0	0	1
wPt-2629	1D	90.885	96.622	0.227	0	1	0	1	1	1	1	0	1
wPt-4427	1D	81.423	97.297	0.25	0	1	0	1	1	1	1	0	1
wPt-10060	1D	77.174	90.541	0.254	0	1	0	1	1	1	1	0	1
wPt-4180	1D	86.058	98.649	0.259	0	1	0	1	1	1	1	0	1
wPt-4687	1D	77.315	91.216	0.267	0	1	0	1	1	1	1	0	1
wPt-3872	1D	86.896	97.973	0.27	0	1	0	1	1	1	1	0	1
wPt-8545	1D	85.764	97.297	0.274	0	1	0	1	1	1	1	0	1
wPt-7697	1D	76.357	92.568	0.274	0	1	0	1	1	1	1	0	1
wPt-3790	1D	81.703	96.622	0.276	0	1	0	1	1	1	1	0	1
wPt-7980	1D	78.434	94.595	0.278	0	1	0	1	1	1	1	0	1
wPt-8854	1D	83.188	96.622	0.285	0	1	0	1	1	1	1	0	1
wPt-7278	1D	78.262	91.216	0.286	0	1	0	1	1	1	-	0	1
wPt-8960	1D	81.82	94.595	0.289	0	1	0	1	-	1	-	0	1
wPt-4942	1D	79.117	94.595	0.289	0	1	0	1	1	1	-	0	1
wPt-4196	1D	78.996	95.27	0.291	0	1	0	1	1	1	1	0	1
wPt-0077	1D	83.097	85.135	0.298	0	1	0	1	1	1	1	0	1
wPt-7437	1D	77.424	91.892	0.3	0.018	-	0	1	1	1	1	0	1
wPt-3707	1D	73.786	91.216	0.302	0	1	0	1	1	1	1	0	1
wPt-5503	1D	78.388	90.541	0.304	0	1	0	1	1	1	1	0	1
wPt-3157	1D	73.802	87.838	0.311	0	1	0	-	-	-	1	0	1
wPt-6560	1D	75.685	87.838	0.322	0	1	0	1	1	1	1	0	1
wPt-4647	1D	75.93	87.162	0.368	0	1	0	1	-	1	1	0	1
wPt-4971	1D	75.331	87.838	0.377	0	1	0	1	-	1	1	0	1
wPt-0786	1D 7B	74.135	89.865	0.252	0	1	-	1	1	1	-	0	1
wPt-3114	2A	76.55	89.865	0.395	0	0	1	1	1	1	1	0	1
wPt-4430	2A	91.108	96.622	0.436	0	1	0	1	0	1	1	1	1
wPt-3976	2A	83.945	95.27	0.446	0	1	0	1	0	1	1	1	1
wPt-2087	2A	89.831	99.324	0.452	0	1	0	1	0	1	1	1	1
wPt-7901	2A	77.808	83.784	0.468	0	1	0	0	0	0	0	1	0
wPt-1480	2A	87.224	94.595	0.477	0	1	0	0	0	0	0	1	0
wPt-6687	2A	81.443	86.486	0.485	0	1	0	0	0	0	0	1	0

wPt-8326	2A 2B 2D	86.837	95.27	0.49	0	1	0	1	1	0	0	0	0
wPt-8004	2A 2B 2D	85.374	96.622	0.495	0	1	0	1	1	0	0	0	0
wPt-7892	2B	80.95	95.27	0.243	0	1	0	1	1	1	1	0	1
wPt-7750	2B	80.498	82.432	0.305	0	1	0	-	-	1	1	0	1
wPt-3132	2B	78.438	92.568	0.357	0.022	1	0	0	1	0	1	1	1
wPt-4917	2B	86.894	96.622	0.402	0	1	0	1	1	1	1	1	0
wPt-4453	2B	74.604	84.459	0.414	0	0	1	-	0	1	1	1	1
wPt-4125	2B	85.209	92.568	0.415	0	0	1	1	0	1	1	1	1
wPt-6932	2B	80.115	87.838	0.416	0.023	0	1	-	0	1	1	1	1
wPt-7757	2B	85.301	93.919	0.43	0	0	1	1	0	1	-	1	1
wPt-9668	2B	86.436	97.297	0.441	0	0	1	1	0	1	1	1	1
wPt-5556	2B	76.881	85.135	0.453	0.028	0	1	1	-	-	-	1	1
wPt-9336	2B	77.18	87.162	0.455	0	-	0	0	1	0	1	1	0
wPt-10778	2B	88.251	95.946	0.462	0	0	1	0	0	1	1	1	1
wPt-4301	2B	81.962	87.838	0.466	0	1	0	1	1	0	0	0	0
wPt-6278	2B	91.577	97.973	0.473	0	1	0	1	1	1	0	0	1
wPt-9402	2B	88.773	92.568	0.485	0	0	1	1	0	1	1	1	1
wPt-10137	2B	80.595	89.189	0.485	0	0	1	1	-	1	0	0	1
wPt-0100	2B	84.079	94.595	0.489	0	1	-	1	1	0	0	1	1
wPt-1489	2B	85.694	87.838	0.492	0	0	1	1	0	1	1	1	1
wPt-3561	2B	80.611	92.568	0.495	0	1	0	1	1	0	0	0	0
wPt-9423	2B 6B	85.797	88.514	0.484	0	0	1	1	0	1	1	1	1
wPt-6821	2D	79.312	89.189	0.229	0	1	0	1	1	1	1	0	1
wPt-0586	2D	87.073	82.432	0.264	0	1	-	1	1	1	1	-	1
wPt-10835	2D	77.387	88.514	0.334	0	1	0	1	1	1	1	0	1
wPt-8524	2D	82.368	91.892	0.339	0	1	0	0	0	1	1	0	-
wPt-10511	2D	75.746	89.865	0.346	0.023	1	0	1	1	1	1	0	1
wPt-4144	2D	79.48	90.541	0.358	0	1	0	1	1	1	1	0	1
wPt-9997	2D	85.047	94.595	0.364	0	1	0	1	1	1	1	0	1
wPt-9749	2D	81.306	92.568	0.37	0	1	0	1	1	1	-	0	1
wPt-7664	2D	86.473	95.27	0.382	0	1	0	1	1	1	1	0	1
wPt-4139	2D	88.983	97.297	0.392	0	1	0	1	1	1	1	0	1
wPt-10840	2D	87.339	97.297	0.392	0	1	0	1	1	1	1	0	1
wPt-6419	2D	73.689	82.432	0.395	0	-	0	1	1	1	1	0	1
wPt-8319	2D	79.124	93.243	0.397	0	1	0	1	1	1	1	0	1
wPt-3757	2D	81.807	91.892	0.397	0	1	0	1	1	1	1	0	-
wPt-8713	2D	84.569	92.568	0.397	0.022	1	0	1	1	1	1	0	1
wPt-1301	2D	87.629	96.622	0.407	0	1	0	1	1	1	-	0	1
wPt-1991	2D	77.321	89.865	0.408	0	1	0	1	1	1	1	0	1
wPt-9848	2D	77.234	91.216	0.417	0	1	0	1	1	1	1	0	1
wPt-6343	2D	83.155	91.216	0.42	0	1	0	1	1	1	-	0	1
wPt-5133	3A	77.856	87.838	0.301	0	0	1	1	1	1	1	1	1
wPt-3697	3A	81.85	93.919	0.394	0	0	1	1	1	1	1	1	1
wPt-7890	3A	80.209	89.865	0.431	0	1	0	1	1	0	0	0	1
wPt-2938	3A	77.739	89.865	0.434	0	0	1	1	0	1	1	1	0
wPt-7992	3A	76.792	86.486	0.444	0	1	0	-	1	0	0	0	1
wPt-0836	3A	74.534	81.081	0.451	0	0	1	-	0	1	1	1	0
wPt-1688	3A	74.697	85.811	0.455	0	0	1	-	0	1	1	1	0
wPt-0398	3A	82.26	91.892	0.469	0	1	0	1	0	0	0	0	0
wPt-7341	3A 3B	76.928	87.838	0.284	0	1	1	1	1	0	0	0	1
wPt-7511	3B	89.721	89.189	0.26	0	1	0	-	1	1	1	1	1
wPt-8663	3B	91.696	91.216	0.28	0	1	0	0	1	1	1	1	1
wPt-9432	3B	79.015	87.162	0.315	0	1	0	1	1	1	1	1	1
wPt-10991	3B	88.852	96.622	0.32	0	1	0	0	1	1	1	1	1
wPt-10796	3B	87.513	95.27	0.324	0	1	0	0	1	1	1	1	1
wPt-10542	3B	93.483	93.919	0.326	0	1	0	0	1	1	1	1	1
wPt-9010	3B	74.967	87.162	0.338	0	1	0	0	1	1	1	1	1
wPt-7984	3B	83.899	94.595	0.347	0	1	0	1	1	1	1	1	1
wPt-4209	3B	78.242	80.405	0.347	0	1	-	-	-	-	1	1	1

wPt-2015	3B	85.92	89.189	0.353	0	1	0	0	1	1	1	-	1
wPt-10818	3B	77.443	88.514	0.355	0	1	0	0	1	1	1	1	1
wPt-10514	3B	94.417	97.297	0.357	0	1	0	0	1	1	1	1	1
wPt-7142	3B	88.611	95.946	0.361	0	1	0	0	1	1	1	1	1
wPt-10609	3B	93.889	97.973	0.364	0	1	0	0	1	1	1	1	1
wPt-2757	3B	82.893	95.27	0.364	0	1	0	0	1	1	1	1	1
wPt-6699	3B	93.056	97.297	0.366	0	1	0	0	1	1	1	1	1
wPt-11451	3B	84.848	81.757	0.37	0	1	-	0	1	1	1	1	1
wPt-2002	3B	91.979	98.649	0.371	0	1	0	0	1	1	1	1	1
wPt-11143	3B	92.768	98.649	0.371	0	1	0	0	1	1	1	1	1
wPt-1625	3B	85.929	95.946	0.371	0	1	0	0	1	1	1	1	1
wPt-7657	3B	89.799	99.324	0.377	0	1	0	0	1	1	1	1	1
wPt-10885	3B	93.773	99.324	0.377	0	1	0	0	1	1	1	1	1
wPt-10042	3B	94.372	99.324	0.377	0	1	0	0	1	1	1	1	1
wPt-1839	3B	94.283	99.324	0.377	0	1	0	0	1	1	1	1	1
wPt-10033	3B	93.336	99.324	0.377	0	1	0	0	1	1	1	1	1
wPt-9310	3B	90.844	98.649	0.379	0	1	0	0	1	1	1	1	1
wPt-3478	3B	93.186	98.649	0.379	0	1	0	0	1	1	1	1	1
wPt-11237	3B	93.623	98.649	0.379	0	1	0	0	1	1	1	1	1
wPt-1904	3B	93.412	98.649	0.379	0	1	0	0	1	1	1	1	1
wPt-9510	3B	83.8	95.27	0.379	0	1	0	1	1	1	1	1	1
wPt-4597	3B	91.523	87.838	0.38	0	1	0	0	1	1	1	1	1
wPt-5282	3B	93.727	97.973	0.381	0	1	0	0	1	1	1	1	1
wPt-9323	3B	87.635	97.973	0.381	0	1	0	1	1	1	1	1	1
wPt-7229	3B	88.683	96.622	0.383	0	1	-	0	1	1	1	1	1
wPt-10697	3B	94.407	99.324	0.385	0	1	0	0	1	1	1	1	1
wPt-2177	3B	91.132	95.27	0.39	0	1	0	1	0	1	0	1	1
wPt-11024	3B	93.663	95.27	0.39	0	1	0	0	1	1	1	1	1
wPt-11476	3B	93.914	85.135	0.39	0	1	0	0	1	1	1	1	1
wPt-10969	3B	88.429	89.865	0.391	0	1	0	-	1	1	1	1	1
wPt-7260	3B	87.727	86.486	0.401	0	1	0	0	1	1	1	1	1
wPt-2235	3B	94.151	88.514	0.402	0	1	0	0	1	-	1	1	1
wPt-7352	3B	92.263	95.946	0.411	0	1	0	1	0	1	0	1	1
wPt-2731	3B	90.887	97.297	0.414	0	1	0	1	0	1	0	1	1
wPt-11171	3B	76.199	88.514	0.416	0.029	1	0	0	-	1	1	0	1
wPt-10012	3B	86.484	90.541	0.417	0	1	0	0	1	1	1	1	1
wPt-10687	3B	85.24	84.459	0.417	0	1	-	0	1	1	1	1	1
wPt-8959	3B	86.71	93.919	0.421	0	1	0	1	0	1	0	1	1
wPt-10289	3B	87.513	90.541	0.422	0	1	0	0	1	1	1	1	1
wPt-9232	3B	88.258	94.595	0.423	0	1	0	0	1	1	1	0	1
wPt-11286	3B	85.41	86.486	0.423	0	1	-	0	1	1	1	1	1
wPt-10642	3B	77.677	80.405	0.423	0	1	0	0	-	-	1	1	1
wPt-1622	3B	81.087	89.865	0.424	0	1	0	0	1	1	1	0	1
wPt-2404	3B	85.919	83.784	0.425	0	1	-	0	-	1	1	1	1
wPt-10546	3B	83.993	95.946	0.426	0	0	1	1	0	1	1	1	0
wPt-10640	3B	75.291	81.757	0.427	0	1	0	0	-	1	0	1	1
wPt-6239	3B	83.45	95.27	0.428	0	1	0	0	1	1	1	1	1
wPt-10276	3B	79.745	89.865	0.429	0	1	0	0	1	1	1	0	1
wPt-11392	3B	88.015	96.622	0.43	0	1	0	1	1	1	1	1	0
wPt-10970	3B	86.514	95.946	0.432	0	1	0	0	1	1	1	1	1
wPt-10325	3B	87.862	93.243	0.432	0	1	-	0	1	1	1	1	1
wPt-11320	3B	86.009	88.514	0.433	0	1	-	0	1	1	1	1	1
wPt-4777	3B	85.49	93.243	0.434	0	1	0	0	1	-	1	1	1
wPt-11278	3B	74.212	84.459	0.435	0	1	0	0	-	1	1	0	1
wPt-11400	3B	89.048	94.595	0.436	0	1	0	0	1	1	1	0	1
wPt-11299	3B	78.791	89.189	0.436	0	1	0	0	1	1	1	0	1
wPt-8126	3B	83.385	89.189	0.438	0	1	0	0	1	-	-	1	1
wPt-5495	3B	82.429	89.189	0.438	0	1	0	0	1	-	1	1	1
wPt-3107	3B	86.093	94.595	0.44	0	1	0	0	1	1	1	0	1

wPt-5769	3B	82.53	91.216	0.44	0	1	0	0	1	1	1	0	1
wPt-10886	3B	84.474	94.595	0.44	0.021	1	0	0	1	1	1	1	1
wPt-9026	3B	88.796	94.595	0.442	0	1	0	0	1	1	1	0	1
wPt-7635	3B	82.233	91.216	0.442	0	1	0	0	1	1	1	0	1
wPt-10389	3B	85.408	95.27	0.444	0	1	0	0	1	1	1	1	1
wPt-10420	3B	85.165	95.27	0.446	0	1	0	0	1	1	1	1	1
wPt-5906	3B	81.051	91.216	0.447	0	1	0	0	1	1	1	0	1
wPt-5430	3B	81.119	81.081	0.447	0	1	0	0	0	-	0	1	1
wPt-5329	3B	88.27	96.622	0.448	0	1	0	0	1	1	1	0	1
wPt-10230	3B	80.516	91.892	0.448	0	0	1	1	1	1	1	0	0
wPt-3921	3B	77.17	86.486	0.449	0	0	1	-	-	-	0	0	0
wPt-11053	3B	87.672	95.946	0.45	0	1	0	0	1	1	1	0	1
wPt-10130	3B	83.967	93.243	0.45	0.022	1	0	0	1	-	1	1	1
wPt-10455	3B	79.588	89.189	0.451	0	1	0	0	1	1	1	0	1
wPt-1439	3B	89.822	95.27	0.452	0	1	0	0	1	1	1	1	1
wPt-2621	3B	78.271	89.865	0.452	0	0	1	1	0	0	0	0	0
wPt-10005	3B	78.589	87.162	0.453	0	0	1	1	1	1	1	0	0
wPt-6973	3B	91.853	93.919	0.456	0	1	0	0	-	-	1	1	1
wPt-1159	3B	81.012	88.514	0.456	0	1	0	0	1	1	-	1	1
wPt-10688	3B	77.029	90.541	0.46	0.023	1	0	-	1	1	0	1	1
wPt-4431	3B	76.587	88.514	0.462	0	0	1	1	1	1	-	0	0
wPt-0036	3B	81.511	87.838	0.467	0	0	1	1	1	0	0	1	0
wPt-11029	3B	92.094	90.541	0.468	0	1	0	0	0	-	-	1	1
wPt-1275	3B	92.866	100	0.469	0	1	0	0	0	1	0	1	1
wPt-1846	3B	75.379	87.162	0.469	0	0	1	1	0	0	0	0	0
wPt-6299	3B	80.181	91.892	0.471	0	1	0	0	0	-	0	1	1
wPt-0021	3B	90.729	95.27	0.478	0	1	0	0	0	-	0	1	1
wPt-8184	3B	81.167	92.568	0.478	0	1	0	0	0	-	0	1	1
wPt-11218	3B	83.459	92.568	0.478	0	0	1	1	1	0	0	0	1
wPt-0384	3B	76.318	83.784	0.478	0	0	1	1	1	0	0	1	0
wPt-3234	3B	74.365	81.757	0.481	0	1	0	-	1	0	-	1	1
wPt-0533	3B	80.353	86.486	0.482	0.024	1	0	0	0	-	0	1	1
wPt-7025	3B	80.984	89.865	0.487	0	0	1	1	0	0	0	1	0
wPt-10179	3B	82.282	87.162	0.491	0	0	1	1	-	0	0	1	0
wPt-5442	3B	91.787	97.973	0.492	0	0	1	1	1	1	1	0	0
wPt-8752	3B	77.464	86.486	0.492	0	-	0	0	0	1	0	1	1
wPt-8238	3B	90.206	97.297	0.493	0	0	1	1	1	1	1	0	0
wPt-10611	3B	89.82	95.946	0.494	0	0	1	1	1	1	1	0	0
wPt-9041	3B	92.514	100	0.495	0	0	1	1	1	1	1	0	0
wPt-0302	3B	80.49	88.514	0.499	0	0	1	1	0	0	0	0	0
wPt-6376	3B	79.1	90.541	0.5	0	1	0	0	1	-	0	0	0
wPt-4493	3B	81.859	88.514	0.5	0	0	1	1	1	1	1	1	0
wPt-9401	3B 3D	87.66	97.973	0.39	0	1	0	1	1	1	1	0	1
wPt-6965	3B 3D	86.605	87.838	0.396	0.024	1	0	1	1	1	1	0	1
wPt-0610	3B 4A	81.01	93.243	0.452	0	1	0	0	1	1	1	0	0
wPt-8412	3B 6B	76.377	86.486	0.426	0	1	0	0	0	0	-	0	0
wPt-0695	3B 7D	76.676	91.216	0.356	0.02	1	0	0	1	1	1	0	1
wPt-5893	3D	88.944	96.622	0.368	0	1	0	1	-	1	1	0	1
wPt-4476	3D	76.282	89.865	0.38	0	1	0	1	-	1	1	-	1
wPt-4135	3D	78.419	88.514	0.384	0	1	0	1	1	1	1	0	1
wPt-7334	3D	85.925	93.919	0.394	0	1	0	1	1	1	1	0	1
wPt-8913	3D	89.477	97.297	0.407	0	1	0	1	1	1	1	0	1
wPt-2464	3D	80.836	90.541	0.407	0.021	1	0	1	-	1	1	0	1
wPt-7705	3D	73.397	84.459	0.409	0	1	0	-	1	1	1	0	1
wPt-7535	3D	85.729	95.27	0.411	0	1	0	1	1	1	1	0	1
wPt-7513	3D	74.055	83.108	0.411	0	1	0	1	1	1	1	0	1
wPt-0485	3D	84.393	94.595	0.414	0	1	0	1	1	1	1	0	1
wPt-0220	3D	86.8	96.622	0.416	0	1	0	1	1	1	1	0	1
wPt-5033	3D	86.814	95.27	0.419	0	1	0	1	1	1	1	0	1



wPt-3412	3D	85.658	91.892	0.42	0	1	0	1	1	1	1	0	1
wPt-3183	3D	76.04	85.135	0.42	0	1	0	1	-	1	1	0	1
wPt-3165	3D	88.096	95.27	0.421	0	1	0	1	1	-	1	0	1
wPt-0870	3D	88.65	96.622	0.423	0	1	0	1	1	1	1	0	1
wPt-9389	3D	89.44	95.27	0.426	0	1	0	1	1	1	1	0	1
wPt-6107	3D	84.423	91.892	0.427	0	1	0	1	-	1	1	0	1
wPt-2923	3D	87.196	92.568	0.43	0	1	0	1	1	1	1	0	1
wPt-5942	3D	73.646	81.081	0.43	0	1	0	1	1	1	1	0	1
wPt-7265	3D	84.624	91.216	0.431	0	1	0	1	-	1	1	0	1
wPt-6909	3D	74.696	82.432	0.435	0	1	0	1	-	1	1	0	1
wPt-6735	3D	75.537	82.432	0.457	0	1	0	1	-	1	1	0	1
wPt-8164	3D	77.495	87.162	0.458	0.022	1	0	1	0	1	1	0	1
wPt-6129	3D	83.166	85.135	0.465	0	0	1	1	0	0	0	0	0
wPt-10388	3D	81.948	89.865	0.47	0	0	1	1	0	0	0	0	0
wPt-10291	3D	86.489	95.946	0.474	0	0	1	1	0	0	0	0	0
wPt-2689	3D 6B 7A	91.195	95.946	0.5	0	0	1	0	0	1	1	1	0
wPt-9488	3D 7B	86.61	95.27	0.411	0.019	1	0	1	1	1	1	0	1
wPt-2782	4A	78.679	91.892	0.309	0	1	0	1	1	1	-	0	1
wPt-10901	4A	81.945	86.486	0.368	0	1	0	0	0	1	1	1	0
wPt-0127	4A	80.364	87.838	0.387	0	1	0	0	0	1	1	1	0
wPt-8000	4A	80.964	95.27	0.404	0	1	0	0	1	1	1	0	0
wPt-3349	4A	82.299	92.568	0.413	0	1	0	0	1	1	1	0	0
wPt-3363	4A	84.453	96.622	0.416	0	1	0	0	0	1	1	1	0
wPt-7280	4A	82.016	93.919	0.418	0	1	0	0	0	1	1	1	0
wPt-0558	4A	77.63	88.514	0.418	0	1	0	0	1	1	1	0	1
wPt-4596	4A	81.257	93.243	0.42	0	1	0	0	0	1	1	1	0
wPt-4098	4A	78.986	89.189	0.434	0.024	1	0	1	-	0	1	1	0
wPt-9418	4A	89.321	97.973	0.448	0	1	0	0	1	1	1	0	0
wPt-4424	4A	88.457	96.622	0.457	0.019	1	0	0	1	-	1	0	0
wPt-1155	4A	81.332	92.568	0.461	0.023	1	0	0	1	1	1	0	0
wPt-5172	4A	91.755	97.973	0.465	0	0	1	1	0	0	0	1	1
wPt-8841	4A	83.087	93.919	0.491	0	0	1	-	1	-	1	0	1
wPt-7524	4A	77.422	86.486	0.496	0.024	0	1	0	1	1	1	0	1
wPt-7062	4B	73.637	87.162	0.38	0	0	1	1	1	0	-	1	1
wPt-1046	4B	89.249	98.649	0.43	0	1	0	1	1	0	1	0	1
wPt-8687	4B	87.36	95.27	0.438	0	1	0	1	1	1	1	1	1
wPt-2678	4B	84.956	91.892	0.454	0.021	1	0	1	1	0	1	0	1
wPt-3804	4B	86.129	95.27	0.461	0.021	1	0	1	1	1	1	1	1
wPt-5996	4B	86.746	92.568	0.469	0	1	0	1	1	1	1	1	1
wPt-1708	4B	82.676	91.216	0.471	0	1	0	0	1	1	1	1	1
wPt-6869	4B 7B	87.466	95.27	0.461	0.036	1	1	1	0	1	0	1	0
wPt-0472	4D	88.121	95.946	0.34	0	1	0	1	1	1	1	0	0
wPt-0710	4D	90.208	99.324	0.342	0	1	0	1	1	1	1	0	0
wPt-2379	4D	79.721	91.216	0.346	0	1	0	-	1	1	1	0	0
wPt-0084	4D	73.099	87.162	0.347	0.023	1	0	-	1	1	1	0	1
wPt-3178	4D	80.375	92.568	0.351	0	1	0	1	1	1	1	0	0
wPt-0431	4D	74.456	85.135	0.354	0	1	0	-	1	1	1	0	0
wPt-7878	4D	78.407	89.189	0.363	0	1	0	-	1	1	1	0	1
wPt-5796	5A	74.292	87.162	0.349	0	1	0	0	-	1	1	0	1
wPt-1165	5A	79.483	86.486	0.418	0	1	0	0	1	0	0	0	1
wPt-9887	5A	76.594	87.162	0.429	0.025	1	0	0	1	0	0	-	1
wPt-7769	5A	77.409	90.541	0.438	0.022	1	0	1	1	-	0	1	1
wPt-5096	5A	76.492	87.162	0.456	0	0	1	0	1	1	1	1	0
wPt-5688	5B	76.614	87.162	0.344	0.024	0	1	1	0	0	0	1	1
wPt-7238	5B	76.507	89.865	0.37	0	1	0	0	0	1	1	0	1
wPt-4996	5B	78.823	85.135	0.38	0.038	0	1	1	0	0	0	1	1
wPt-9103	5B	82.515	91.892	0.4	0	1	0	1	1	1	1	0	1
wPt-9598	5B	83.243	88.514	0.4	0	1	0	1	-	1	1	0	1
wPt-3457	5B	92.218	99.324	0.441	0	1	0	1	1	0	0	1	0

wPt-0927	5B	74.468	81.757	0.459	0	1	0	0	0	1	1	0	-
wPt-1457	5B	89.393	95.946	0.485	0	1	0	1	1	0	0	0	1
wPt-1420	5B	89.543	90.541	0.487	0.025	1	0	1	1	1	1	0	0
wPt-5896	5B	83.653	93.919	0.488	0	0	1	-	0	0	0	0	1
wPt-9666	5B	84.26	87.838	0.488	0.022	1	-	1	1	-	1	0	0
wPt-3030	5B	85.084	91.892	0.497	0	0	1	-	0	0	0	0	1
wPt-5346	5B	86.52	96.622	0.498	0	1	0	1	1	1	1	0	0
wPt-5175	5B	82.092	95.27	0.499	0	1	0	1	1	1	1	0	0
wPt-5914	5B	82.145	91.216	0.499	0	1	-	0	1	1	1	0	0
wPt-8604	5B	84.024	91.892	0.5	0	1	0	1	1	1	1	0	0
wPt-3439	5B 7B	85.812	95.27	0.465	0.038	1	1	1	0	1	0	1	0
wPt-2325	5D	75.925	94.595	0.256	0	1	0	1	1	1	1	0	1
wPt-4295	5D	83.01	97.297	0.262	0	1	0	1	1	1	1	0	1
wPt-9788	5D	73.671	91.892	0.263	0	1	0	1	1	1	1	0	1
wPt-5997	5D	82.709	95.946	0.266	0	1	0	1	1	1	1	0	1
wPt-2856	5D	78.423	94.595	0.266	0	1	0	1	1	1	1	0	1
wPt-9543	5D	80.937	96.622	0.274	0.019	1	0	1	1	1	1	0	1
wPt-0400	5D	76.25	93.243	0.284	0.021	1	0	1	1	1	1	0	1
wPt-0338	6A	75.936	100	0.049	0	1	0	1	1	1	1	1	1
wPt-1664	6A	77.977	96.622	0.051	0	0	1	0	0	0	0	0	0
wPt-6904	6A	73.146	86.486	0.362	0	1	1	1	1	1	1	1	1
wPt-3524	6A	82.47	93.243	0.418	0.018	0	-	0	0	1	1	1	0
wPt-9679	6A	83.605	94.595	0.428	0.018	0	-	0	0	1	1	1	0
wPt-5652	6A	78.449	89.865	0.461	0.021	0	-	0	0	1	1	1	0
wPt-8266	6A	82.4	95.27	0.48	0.017	0	-	0	0	1	1	1	0
wPt-0689	6A 7A	86.314	98.649	0.441	0.016	0	-	0	0	1	1	1	0
wPt-1496	6B	79.092	94.595	0.314	0	1	0	1	1	1	1	0	1
wPt-6674	6B	89.457	96.622	0.386	0	1	0	1	1	0	0	0	1
wPt-8015	6B	78.904	91.892	0.397	0	1	0	1	1	0	0	0	1
wPt-5408	6B	75.579	86.486	0.428	0	1	0	0	0	0	-	0	0
wPt-4924	6B	76.458	84.459	0.447	0	1	0	1	1	0	0	-	-
wPt-6116	6B	80.618	88.514	0.456	0	1	0	0	0	1	0	1	-
wPt-1730	6B	93.145	98.649	0.458	0	1	0	1	1	0	0	0	0
wPt-9881	6B	85.556	85.811	0.461	0	1	0	1	1	0	0	0	0
wPt-4164	6B	87.38	95.946	0.465	0	1	0	0	0	1	0	1	0
wPt-3581	6B	85.615	94.595	0.467	0	1	0	1	1	0	0	0	0
wPt-9256	6B	85.493	92.568	0.47	0.02	1	0	0	0	1	0	1	0
wPt-5270	6B	82.726	89.865	0.478	0	1	1	1	0	1	1	1	0
wPt-9952	6B	83.499	89.865	0.478	0	1	0	0	0	1	0	1	0
wPt-11132	6B	93.072	89.865	0.489	0	0	1	0	0	1	1	1	0
wPt-5333	6B	77.654	84.459	0.498	0	0	1	1	1	1	1	1	1
wPt-7954	6B	73.441	80.405	0.498	0	0	1	-	-	1	1	1	0
wPt-3116	6B	87.302	91.892	0.5	0	0	1	0	0	1	1	1	0
wPt-3130	6B 7A	93.017	98.649	0.379	0	1	0	1	1	0	0	0	1
wPt-1089	6B 7A	83.598	91.892	0.388	0	1	0	1	1	0	0	0	1
wPt-4283	6B 7A	82.405	94.595	0.392	0	1	0	1	1	0	0	0	1
wPt-4867	6B 7A	79.229	91.216	0.404	0.02	1	0	1	1	0	0	0	1
wPt-4720	6B 7A	92.486	83.108	0.43	0	-	0	-	1	0	0	0	1
wPt-8239	6B 7A	83.236	92.568	0.499	0	0	1	0	0	1	1	1	0
wPt-0245	6B 7A	79.19	91.216	0.499	0.021	0	1	0	0	1	1	1	0
wPt-1852	6B 7A	89.681	99.324	0.5	0	0	1	0	0	1	1	1	0
wPt-7777	6B 7A	89.869	96.622	0.5	0	0	1	0	0	1	1	1	0
wPt-2964	6B 7B	79.828	86.486	0.499	0	0	1	0	0	1	1	1	0
wPt-7642	6B 7D	87.117	95.27	0.371	0	1	0	0	0	1	1	0	1
wPt-8822	6D	80.915	95.946	0.311	0	1	0	1	1	1	1	0	1
wPt-9155	6D	75.375	90.541	0.313	0	1	0	1	1	1	-	0	1
wPt-3350	6D	73.596	87.838	0.325	0	1	0	1	1	-	1	0	1
wPt-10416	6D	75.629	85.811	0.373	0.028	1	0	1	1	0	1	0	1
wPt-9207	7A	83.528	97.973	0.439	0	0	1	1	0	1	1	1	1

wPt-0961	7A	80.57	93.243	0.446	0	1	0	1	0	1	1	0	1
wPt-6019	7A	89.617	99.324	0.457	0	1	1	1	1	0	0	0	1
wPt-5590	7A	88.686	97.973	0.46	0	1	0	1	1	0	0	0	0
wPt-6273	7A	86.546	95.946	0.461	0	1	0	1	1	0	0	0	0
wPt-0744	7A	87.576	94.595	0.461	0	1	0	1	1	0	0	0	0
wPt-8399	7A	82.853	89.865	0.461	0	1	0	0	1	0	-	1	1
wPt-4172	7A	90.291	97.297	0.467	0	1	0	1	1	0	0	0	0
wPt-8418	7A	84.012	92.568	0.476	0	1	0	1	1	0	0	0	0
wPt-0008	7A	77.24	86.486	0.484	0.023	1	0	0	1	0	0	0	0
wPt-4345	7A	85.535	92.568	0.492	0	1	0	0	0	0	0	0	0
wPt-7151	7A	76.748	88.514	0.492	0	1	0	0	1	0	0	0	0
wPt-7318	7B	73.946	90.541	0.313	0	0	1	1	1	-	-	1	1
wPt-2305	7B	84.895	96.622	0.448	0	1	0	1	0	0	1	1	0
wPt-2356	7B	79.405	89.865	0.45	0.02	1	0	1	0	0	0	1	0
wPt-1149	7B	78.192	87.162	0.455	0	1	0	1	0	0	1	1	0
wPt-0600	7B	84.312	93.919	0.456	0	1	0	1	0	0	0	1	0
wPt-5892	7B	82.185	93.243	0.456	0	1	1	1	1	1	1	0	1
wPt-7108	7B	80.329	88.514	0.456	0	0	1	1	1	1	1	1	1
wPt-7887	7B	81.533	90.541	0.458	0	1	1	1	1	1	1	0	1
wPt-0884	7B	78.594	89.189	0.465	0	0	1	1	1	1	1	1	1
wPt-5138	7B	78.314	82.432	0.473	0	0	1	1	1	1	1	1	1
wPt-4300	7B	77.719	85.135	0.482	0	1	0	-	0	0	0	1	0
wPt-8283	7B	83.044	89.865	0.496	0	1	0	0	1	1	1	1	1
wPt-10401	7D	83.916	89.865	0.271	0	1	0	0	-	1	1	0	1
wPt-7654	7D	91.751	97.973	0.346	0	1	0	0	0	1	1	0	1
wPt-5049	7D	81.038	91.216	0.346	0	1	0	0	0	1	1	0	1
wPt-3727	7D	86.059	80.405	0.352	0	1	0	-	-	-	1	0	1
wPt-2565	7D	85.83	95.946	0.371	0	1	0	0	0	1	1	0	1
wPt-0934	7D	84.104	95.27	0.371	0	1	0	0	0	1	1	0	1
wPt-2258	7D	84.99	94.595	0.371	0	1	0	0	0	1	1	0	1
wPt-5674	7D	81.329	90.541	0.38	0	1	0	0	0	1	1	0	1
wPt-4115	7D	80.613	93.919	0.39	0	1	0	0	0	1	1	0	-
wPt-1269	7D	76.015	87.838	0.411	0.024	1	0	0	0	1	1	0	-
wPt-0949	7D	95.082	81.757	0.421	0	1	0	0	0	1	1	0	1



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B	C	D	E	F	G	H	A	B	C	D	E	F	C
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69-1	70-2	78-2	82-5	75-2	6-2	29-2	30-3	15-2	16-1	18-3	22-3	7-3	32-3
69-1	70-2	78-2	82-5	75-2	2/06/2008	29/02/2008	30/03/2008	15/02/2008	16/01/2008	18/03/2008	22/03/2008	3/07/2008	32-3
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-	-	0	0	0	0	1	1	1	1	0	0	-	1
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E/WHE/3-3-0E/3-3-CE/3-3-CE/3-3-CE/3-3-CE/3-3-CE/3-3-CE/3-3-CE/3-3-CE/3-3-0														
						A	B	C	D	E	F	G	H	A
						1	1	1	1	1	1	1	1	2
MarkerName	Chromosome	Q	Call Rate	PIC	Discordance 24 Pair	Parent 2-49	Parent 2-49	Bellaroi (M)	Bellaroi (M)	2/49-M 13-4c	2/49-M 13-4c	2/49-M 13-7	2/49-M 13-7	2/49-M 14-2M
wPt-7412	-	59.882	100	0.03	0	0	0	0	0	0	0	0	0	0
wPt-0635	-	53.092	99.5	0.03	0	1	1	1	1	1	1	1	1	1
wPt-6325	-	76.77	89	0.044	0	0	0	0	0	0	0	0	0	0
wPt-9774	-	54.943	98	0.05	0	1	1	1	1	1	1	1	1	1
wPt-6896	-	63.466	99.5	0.058	0	1	1	1	1	1	1	1	1	0
wPt-7214	-	71.469	96.5	0.098	0	1	1	1	1	1	1	1	1	1
wPt-0470	-	69.645	95.5	0.109	0	1	1	1	1	1	1	1	1	1
wPt-2297	-	63.016	93.5	0.12	0	1	1	1	1	-	1	1	1	1
tPt-0910	-	65.674	93.5	0.129	0	1	1	1	1	1	1	1	1	1
tPt-4246	-	79.224	91.5	0.132	0	1	0	1	1	1	1	1	1	0
wPt-0736	-	58.672	90.5	0.133	0	1	1	1	1	1	1	1	1	1
wPt-0351	-	62.872	94.5	0.137	0.023	1	1	1	1	1	1	1	1	1
wPt-3508	-	76.363	97	0.143	0	1	1	1	1	1	1	1	1	1
wPt-9302	-	68.962	97	0.143	0	1	1	1	1	1	1	1	1	-
wPt-4830	-	76.108	96	0.144	0	0	1	0	0	1	1	1	1	1
wPt-2885	-	76.839	95	0.145	0	1	1	1	1	1	1	1	1	1
wPt-1882	-	68.716	95	0.145	0	1	1	1	1	1	1	1	1	1
wPt-3725	-	60.874	88.5	0.155	0	1	1	1	1	1	1	-	-	1
wPt-6829	-	62.453	88	0.156	0	1	-	1	1	-	-	-	-	1
wPt-6910	-	85.723	93	0.157	0	1	1	1	1	1	1	1	1	1
wPt-5827	-	81.36	98.5	0.158	0	1	1	1	1	1	1	1	1	1
wPt-3213	-	77.798	97.5	0.159	0	1	1	1	1	1	1	1	1	1
wPt-1030	-	81.116	89.5	0.163	0	1	1	-	1	1	1	1	1	1
wPt-0775	-	75.255	97	0.168	0	1	1	1	1	-	1	1	1	1
wPt-4049	-	72.625	92	0.168	0	1	1	1	1	1	1	1	1	1
wPt-5287	-	68.787	91.5	0.169	0	1	1	1	1	1	1	1	1	1
wPt-2249	-	76.879	95.5	0.171	0	1	1	1	1	1	1	1	1	1
wPt-5440	-	74.759	95.5	0.171	0	1	1	1	1	1	1	1	1	1
wPt-6068	-	91.754	85	0.171	0	0	-	0	0	-	-	-	-	1
wPt-1494	-	73.918	94	0.173	0	1	1	1	1	1	1	1	1	1
wPt-7937	-	75.616	92.5	0.176	0	1	1	1	1	1	1	1	1	1
wPt-0395	-	71.843	92	0.177	0	1	1	1	1	1	1	1	1	1
wPt-5044	-	69.517	92	0.177	0	1	1	1	1	1	1	1	1	1
wPt-9791	-	64.81	92	0.177	0	1	0	1	1	0	1	-	1	0
tPt-5342	-	79.686	96.5	0.194	0	0	1	0	1	1	1	1	1	1
wPt-8115	-	65.971	89	0.199	0	1	1	1	1	1	1	1	1	1
wPt-9889	-	72.971	91	0.204	0	1	1	1	1	1	1	-	-	1
wPt-3978	-	82.049	98	0.207	0	0	0	1	1	0	0	-	1	1
wPt-5922	-	63.561	88	0.21	0	1	-	1	1	1	1	1	1	1
wPt-6469	-	70.8	91	0.213	0	1	0	1	1	1	-	1	1	1
wPt-7074	-	76.229	97	0.217	0	1	1	1	-	0	0	1	-	1
wPt-2946	-	74.883	95.5	0.22	0	1	-	1	1	-	-	0	0	1
wPt-7636	-	70.092	91	0.221	0	1	1	1	1	1	1	1	1	1
wPt-2056	-	84.469	94.5	0.222	0	0	0	0	0	0	0	0	0	0
wPt-9880	-	81.01	94	0.223	0	1	1	1	1	1	1	1	1	1
wPt-6316	-	69.831	92	0.227	0	0	1	0	0	1	1	-	1	1
wPt-1550	-	70.032	91.5	0.228	0	1	-	1	1	-	0	0	0	1
wPt-0980	-	78.507	95	0.229	0	1	0	1	1	1	1	1	1	-
wPt-5846	-	80.331	97	0.232	0	1	1	1	1	-	1	1	1	1
wPt-6104	-	92.385	99	0.236	0	1	1	1	1	1	1	1	1	1
wPt-3606	-	86.563	96.5	0.241	0	1	1	1	1	1	1	1	1	-
tPt-6278	-	91.029	99	0.243	0	0	0	0	0	0	0	0	0	0
wPt-5064	-	84.305	93.5	0.247	0	1	1	1	1	1	1	1	1	1
wPt-0217	-	92.657	100	0.248	0	1	1	1	1	1	1	1	1	1
tPt-2451	-	87.356	92.5	0.249	0	1	1	1	1	1	1	1	1	1
wPt-6916	-	92.325	98	0.252	0	0	0	0	0	0	0	0	0	0
rPt-9082	-	76.093	91.5	0.252	0	1	1	-	1	-	-	1	-	1
wPt-8140	-	75.469	91.5	0.252	0	1	0	1	1	0	0	1	0	1
wPt-5127	-	90.306	89	0.257	0	0	-	0	0	1	-	-	-	1
wPt-8989	-	91.999	92	0.258	0	1	-	-	1	1	1	1	1	1
wPt-8641	-	79.028	95.5	0.258	0	0	0	0	0	0	0	0	0	0
wPt-9273	-	89.33	83.5	0.263	0	0	-	0	0	-	-	-	-	1

wPt-7354	-	91.272	98.5	0.265	0	0	0	0	0	0	0	0	0	1
wPt-3800	-	76.778	95	0.266	0	1	0	1	1	1	1	0	0	1
wPt-8764	-	85.229	97	0.269	0	0	1	1	1	1	1	1	1	1
wPt-4595	-	79.685	96.5	0.27	0	0	1	1	1	1	1	1	1	1
wPt-4972	-	70.724	89.5	0.272	0	0	1	0	0	1	1	1	1	1
tPt-3621	-	78.304	91.5	0.274	0	1	0	1	1	0	0	0	0	0
wPt-5432	-	84.704	97	0.275	0	1	0	1	1	0	0	0	0	1
wPt-0421	-	81.128	96	0.278	0	0	1	1	1	1	1	1	1	1
wPt-3318	-	82.06	83.5	0.279	0	0	-	0	0	-	-	-	-	1
wPt-0887	-	84.595	85	0.283	0	0	-	0	0	-	-	-	-	1
wPt-8741	-	80.918	87.5	0.284	0	1	1	1	1	1	1	1	1	1
wPt-3579	-	87.131	92.5	0.286	0	0	-	0	0	0	-	0	-	0
wPt-6191	-	86.038	98.5	0.286	0	0	0	0	0	0	0	0	0	0
wPt-2120	-	84.861	95	0.287	0	0	0	0	0	0	0	0	0	0
wPt-8055	-	82.838	97.5	0.288	0	0	1	0	0	1	1	1	1	0
wPt-6613	-	82.156	94	0.289	0	0	1	0	0	-	0	1	1	1
wPt-9662	-	87.361	99	0.291	0	0	1	0	0	1	1	1	1	0
wPt-9908	-	77.713	93.5	0.298	0	0	1	0	0	1	1	1	1	1
wPt-1093	-	73.645	90.5	0.298	0	0	-	0	0	-	0	0	0	0
wPt-8449	-	84.524	92.5	0.3	0	0	0	0	0	0	0	0	0	0
wPt-8976	-	73.939	81.5	0.3	0	1	-	1	1	-	1	1	1	0
wPt-5416	-	80.479	95	0.301	0	0	1	0	0	-	0	1	1	1
wPt-0175	-	86.754	99	0.304	0	0	1	0	0	1	1	1	1	1
wPt-3809	-	85.557	99	0.304	0	0	1	0	0	1	1	1	1	1
wPt-4027	-	89.794	98.5	0.305	0	0	1	0	0	1	1	1	1	0
wPt-9257	-	83.386	98.5	0.305	0	0	0	0	0	0	0	0	0	0
wPt-1445	-	80.638	95	0.307	0	0	1	0	0	1	1	1	1	1
wPt-2097	-	90.256	100	0.308	0	0	1	0	0	1	1	1	1	1
wPt-0697	-	89.844	99.5	0.309	0	0	0	0	0	0	0	0	0	0
wPt-2062	-	84.197	96	0.311	0	0	1	0	0	1	1	1	1	1
wPt-3249	-	82.344	96	0.311	0	0	1	0	0	1	1	1	1	0
wPt-8623	-	80.219	95.5	0.312	0	0	1	0	0	1	0	1	1	1
wPt-8427	-	73.926	87.5	0.313	0	1	0	1	1	-	0	1	1	1
wPt-2998	-	83.535	97.5	0.314	0	0	1	0	0	1	0	1	1	1
wPt-0348	-	84.334	96	0.317	0	0	1	0	0	1	1	1	1	0
wPt-5373	-	90.098	97.5	0.32	0	0	-	0	0	1	1	1	1	1
wPt-0537	-	80.3	92.5	0.32	0	0	1	0	0	1	1	1	1	0
wPt-9204	-	87.419	97	0.321	0	1	0	1	1	1	1	1	1	0
wPt-5527	-	78.895	86.5	0.323	0	1	0	1	1	-	1	1	1	0
wPt-6978	-	87.995	93.5	0.324	0	0	1	0	0	1	1	1	1	1
wPt-0158	-	79.084	91	0.324	0	0	1	0	0	1	1	1	1	1
wPt-8150	-	76.194	87.5	0.327	0	1	-	-	-	1	1	1	1	1
wPt-0886	-	85.93	99	0.328	0	0	1	0	0	1	1	1	1	1
wPt-8146	-	79.202	96	0.33	0	0	0	0	0	0	0	0	0	0
wPt-8038	-	78.307	91	0.33	0	0	1	0	0	1	1	1	1	0
wPt-7915	-	78.953	95.5	0.331	0	0	1	0	0	1	1	1	1	1
wPt-9560	-	71.061	90	0.333	0	0	1	0	0	1	1	0	1	0
wPt-8118	-	74.756	87.5	0.333	0	0	1	0	-	1	1	1	1	0
wPt-9068	-	83.055	96	0.336	0	0	1	0	0	1	1	1	1	1
wPt-2330	-	79.024	93.5	0.336	0	0	1	0	0	1	1	1	1	1
wPt-4089	-	89.688	95.5	0.337	0	0	1	0	0	1	1	1	1	1
wPt-2961	-	85.077	98	0.337	0	0	0	1	1	0	0	0	0	1
wPt-2548	-	84.549	97.5	0.338	0	0	1	0	0	1	0	1	1	1
wPt-8589	-	84.435	94.5	0.34	0	0	1	0	0	1	1	1	1	-
wPt-8477	-	85.668	98.5	0.341	0	0	1	0	0	1	0	1	1	1
wPt-0668	-	87.675	100	0.343	0	1	1	1	1	1	1	1	1	1
tPt-3786	-	81.947	92.5	0.345	0	1	0	1	1	0	1	0	0	1
wPt-9035	-	87.193	99	0.346	0	0	1	0	0	-	1	1	1	1
wPt-5093	-	80.979	94.5	0.346	0	0	1	0	0	1	1	1	1	1
wPt-8171	-	78.844	92	0.346	0	1	-	1	1	1	-	1	1	1
wPt-6087	-	82.872	96	0.348	0	0	1	0	0	1	1	1	1	1
wPt-9922	-	78.748	93.5	0.348	0	0	1	0	0	-	1	1	1	1
wPt-0311	-	77.028	93.5	0.348	0	0	1	0	0	1	1	1	1	1
wPt-1080	-	89.134	97.5	0.349	0	1	0	1	1	1	1	0	0	0
wPt-3766	-	91.336	80	0.349	0	1	-	-	1	1	-	1	1	0
wPt-9114	-	91.639	99	0.351	0	0	1	0	0	1	1	1	1	1
wPt-3840	-	87.81	99	0.351	0	0	1	0	0	1	1	1	1	1
wPt-2340	-	83.732	97	0.351	0	0	1	0	0	1	1	1	1	1
wPt-3982	-	81.769	94.5	0.352	0	0	1	0	0	1	1	1	1	1
wPt-6096	-	92.398	96	0.353	0	0	1	0	0	1	1	1	1	1
wPt-1507	-	75.752	87.5	0.353	0	1	0	1	1	-	1	1	1	0
wPt-1843	-	91.591	100	0.354	0	0	1	0	0	1	1	1	1	1
wPt-9105	-	91.162	98	0.354	0	0	1	0	0	1	1	1	1	1

wPt-0789	-	76.533	93.5	0.354	0	0	1	0	0	1	1	1	1	1
wPt-3144	-	89.072	97.5	0.355	0	0	1	0	0	1	1	1	1	1
wPt-5201	-	84.283	95	0.356	0	0	1	0	0	1	1	1	1	1
wPt-4286	-	77.749	88	0.357	0	0	1	0	0	1	1	1	1	1
wPt-2747	-	88.635	98.5	0.358	0	0	1	0	0	1	1	1	1	1
wPt-2863	-	87.992	98.5	0.358	0	0	1	0	0	1	1	1	1	1
wPt-8398	-	76.522	81.5	0.358	0	1	0	1	1	1	-	0	0	0
wPt-7719	-	87.888	98	0.359	0	0	1	0	0	1	1	1	1	1
wPt-8392	-	87.205	98	0.359	0	0	1	0	0	1	1	1	1	1
wPt-8939	-	85.982	97.5	0.36	0	0	1	0	0	1	1	1	1	1
wPt-7637	-	80.392	97.5	0.36	0	1	1	1	1	1	1	1	1	1
wPt-3724	-	79.483	93.5	0.36	0	0	1	0	0	1	1	1	1	1
wPt-1848	-	79.375	91.5	0.36	0	0	1	0	0	1	1	1	1	1
wPt-4093	-	93.1	96.5	0.363	0	0	1	0	0	1	1	1	1	1
wPt-0356	-	89.405	98.5	0.363	0	0	1	0	0	1	1	1	1	1
wPt-1967	-	84.732	96.5	0.363	0	0	1	0	0	1	1	1	1	1
wPt-6938	-	79.621	92.5	0.363	0	0	1	0	0	1	1	-	1	1
wPt-2208	-	79.338	92.5	0.363	0	0	1	1	1	1	1	1	1	1
wPt-2360	-	72.971	88	0.363	0	0	1	0	0	1	1	1	1	1
wPt-9820	-	85.881	96	0.364	0	0	1	0	0	1	1	1	1	1
wPt-2303	-	83.724	96	0.364	0	0	1	0	0	1	1	1	1	1
wPt-0723	-	87.859	98	0.365	0	0	1	0	0	1	1	1	1	1
wPt-4068	-	90.927	99.5	0.366	0	0	1	0	0	1	1	1	1	1
wPt-2401	-	75.079	87	0.366	0	1	0	1	1	1	-	1	-	1
wPt-2580	-	86.241	97	0.367	0	0	1	0	0	1	1	1	1	1
wPt-7716	-	84.552	99	0.367	0	0	1	0	0	1	1	1	1	1
wPt-9900	-	83.505	93	0.367	0	0	1	0	0	1	1	1	1	1
wPt-5758	-	83.969	96.5	0.368	0	0	1	0	0	1	1	1	1	1
wPt-8301	-	80.79	88.5	0.368	0	0	1	-	0	1	1	1	1	1
wPt-1952	-	87.833	98.5	0.369	0	0	1	0	0	1	1	1	1	1
wPt-5574	-	92.72	100	0.37	0	0	1	0	0	1	1	1	1	1
wPt-7253	-	88.029	100	0.37	0	0	1	0	0	1	1	1	1	1
wPt-6659	-	81.522	94	0.37	0	0	1	0	0	1	1	1	1	1
wPt-5588	-	90.471	99.5	0.371	0	1	0	1	0	0	0	0	0	0
wPt-0059	-	77.659	89.5	0.371	0	0	1	0	-	1	1	1	1	1
wPt-9830	-	85.955	99	0.372	0	0	1	0	0	1	1	1	1	1
wPt-8610	-	82.871	95	0.372	0	0	1	0	0	1	1	1	1	1
wPt-4989	-	81.371	91	0.372	0	0	1	0	0	1	1	1	1	1
wPt-8558	-	77.245	91	0.372	0	0	1	0	0	1	1	1	1	1
wPt-2278	-	74.491	85	0.372	0	0	1	1	1	1	1	1	1	1
wPt-5683	-	88.542	98.5	0.374	0	0	1	0	0	1	1	1	1	1
wPt-3500	-	84.986	96.5	0.374	0	0	1	0	0	1	1	1	1	1
wPt-2076	-	81.013	94.5	0.374	0	0	1	0	0	1	1	1	1	1
wPt-6342	-	86.657	92	0.375	0	0	1	0	0	-	1	1	1	1
wPt-2438	-	77.844	88	0.375	0	0	1	0	0	1	1	1	1	1
wPt-9244	-	86.696	97.5	0.376	0	0	1	0	0	1	1	1	1	1
wPt-2080	-	84.728	95.5	0.376	0	0	1	0	0	1	1	1	1	1
wPt-4327	-	84.205	95.5	0.376	0	0	1	0	0	1	1	1	1	1
wPt-5182	-	83.967	97.5	0.376	0	0	1	0	0	1	1	1	1	1
wPt-4673	-	83.413	91.5	0.376	0	0	0	1	1	1	1	1	1	-
rPt-5412	-	81.639	91.5	0.376	0	1	0	1	1	0	1	1	1	0
wPt-6811	-	73.415	81.5	0.377	0	0	1	-	-	1	1	1	1	1
wPt-7277	-	87.245	95	0.378	0	0	1	0	0	1	1	1	1	1
wPt-4084	-	80.744	91	0.378	0	0	1	0	0	1	1	1	1	1
wPt-2815	-	79.58	91	0.378	0	0	1	0	0	1	1	1	1	1
wPt-8166	-	75.99	85	0.378	0	0	1	-	-	1	1	1	1	1
wPt-5148	-	78.204	88.5	0.379	0	0	1	0	0	1	1	1	1	1
tPt-2833	-	94.037	98	0.38	0	1	0	1	0	0	0	0	0	0
wPt-8715	-	82.146	90	0.38	0	0	1	0	0	1	1	1	1	1
wPt-0650	-	80.417	95	0.383	0	0	1	0	0	1	1	1	1	1
wPt-2920	-	84.8	92.5	0.384	0	0	1	0	0	1	1	1	1	1
wPt-8298	-	82.483	94.5	0.384	0	0	1	0	0	1	1	1	1	1
wPt-4726	-	74.85	81	0.384	0	0	0	1	1	0	0	-	-	1
wPt-7068	-	82.436	96	0.385	0	0	1	0	0	1	1	1	1	1
wPt-0085	-	81.911	93.5	0.387	0	0	1	0	0	1	1	1	1	1
wPt-0509	-	80.753	93.5	0.387	0	0	1	0	0	1	1	1	1	1
wPt-3575	-	88.289	95	0.388	0	0	-	0	0	1	1	1	1	1
wPt-6245	-	78.834	87.5	0.388	0	0	1	0	1	-	1	1	1	1
wPt-9963	-	81.377	90.5	0.39	0.023	0	0	1	0	0	1	1	1	1
wPt-4025	-	78.92	94	0.39	0	0	0	1	1	1	1	1	1	1
wPt-7572	-	91.577	97.5	0.391	0	1	1	1	1	1	1	1	1	-
wPt-5582	-	81.097	92	0.391	0	0	1	0	0	1	1	1	1	1
wPt-8690	-	80.626	90	0.391	0	0	1	0	0	1	1	1	1	1

wPt-8971	-	78.538	90	0.391	0	0	0	1	1	0	0	-	-	1
rPt-9065	-	92.791	100	0.394	0	1	0	1	0	0	0	0	0	0
wPt-9739	-	83.815	92.5	0.394	0	0	1	0	0	1	1	1	1	1
wPt-8807	-	75.916	83.5	0.394	0	0	1	-	-	1	1	1	1	1
wPt-5788	-	89.38	97.5	0.396	0	0	1	1	1	1	1	1	1	0
wPt-6213	-	85.138	93.5	0.397	0	0	1	0	0	1	1	1	1	1
wPt-9851	-	78.222	87.5	0.398	0	0	1	0	0	1	1	1	1	1
wPt-6604	-	83.114	91	0.399	0	0	1	0	0	1	1	1	1	0
wPt-8681	-	80.377	89	0.399	0	0	1	-	0	1	1	1	1	1
wPt-4967	-	75.407	86.5	0.401	0	1	0	1	1	0	0	0	0	1
wPt-3268	-	77.429	84.5	0.402	0	0	1	-	-	1	1	1	1	1
wPt-7411	-	75.862	83.5	0.404	0	0	1	-	-	1	1	1	1	1
wPt-5513	-	88.67	97.5	0.409	0	0	1	1	1	1	1	1	1	0
wPt-1287	-	85.211	96	0.409	0	0	1	0	0	1	1	1	1	1
wPt-5555	-	74.528	85.5	0.409	0	0	1	0	-	1	1	1	1	1
wPt-3201	-	77.832	90.5	0.41	0	-	1	0	0	1	1	1	1	1
wPt-0611	-	77.413	85	0.41	0.023	0	1	0	0	1	1	1	1	1
wPt-4197	-	93.689	95.5	0.414	0	0	1	0	0	1	0	1	1	1
wPt-9882	-	74.578	85.5	0.414	0	0	1	0	-	1	1	1	1	1
wPt-1339	-	73.35	83.5	0.415	0	1	0	1	1	0	0	-	-	1
wPt-9419	-	85.232	96	0.417	0	0	1	0	0	1	1	1	1	1
wPt-5968	-	85.511	93.5	0.42	0	0	1	0	0	0	1	1	1	1
wPt-0349	-	85.242	95	0.42	0	0	1	0	0	1	1	1	1	1
wPt-3347	-	77.067	85	0.42	0	1	0	1	1	1	0	0	0	-
wPt-2294	-	73.604	80	0.42	0	0	1	-	0	1	1	1	1	1
wPt-8144	-	95.861	82.5	0.422	0	0	0	-	1	1	-	-	1	0
wPt-4248	-	88.807	95.5	0.423	0	0	1	-	-	1	1	1	1	1
wPt-7476	-	87.659	97	0.423	0	0	1	0	0	1	1	1	1	1
rPt-3056	-	90.823	97.5	0.426	0	0	1	0	0	1	1	1	1	0
wPt-7784	-	92.045	97	0.427	0	1	0	0	0	0	0	0	0	-
wPt-2537	-	78.082	88.5	0.428	0	1	0	1	1	1	1	-	-	0
wPt-9162	-	96.109	83.5	0.429	0	0	0	-	-	1	-	-	1	0
wPt-5455	-	89.1	97.5	0.441	0	1	1	0	0	0	0	1	1	1
wPt-5135	-	87.538	97	0.442	0	1	1	0	0	1	1	1	1	1
wPt-0642	-	85.175	88	0.442	0	0	1	0	0	1	1	1	1	1
wPt-7432	-	75.202	82	0.442	0	1	1	1	1	1	1	1	1	1
wPt-0054	-	91.161	98	0.443	0	1	1	1	0	1	-	1	1	1
wPt-0152	-	88.938	98	0.443	0	1	1	0	0	1	1	1	1	1
wPt-8489	-	87.27	95.5	0.446	0	1	1	0	0	0	0	1	1	1
wPt-1853	-	74.712	84	0.448	0	0	1	1	1	1	1	1	1	1
wPt-0566	-	81.891	95.5	0.449	0	0	0	0	1	0	0	0	0	0
wPt-7355	-	88.06	96.5	0.45	0.023	1	0	0	0	0	0	0	0	0
wPt-8153	-	89.669	96	0.454	0	1	0	1	1	1	1	0	0	1
wPt-9241	-	92.111	100	0.455	0	0	0	0	0	0	0	0	0	0
rPt-2940	-	79.058	87	0.455	0	0	0	0	0	0	0	0	0	0
wPt-8417	-	88.805	96.5	0.456	0	1	0	1	1	1	1	1	1	1
wPt-7491	-	87.615	96	0.457	0	1	1	0	0	1	1	1	1	1
rPt-0996	-	87.689	97	0.458	0	1	0	0	0	0	0	0	0	0
wPt-1121	-	82.337	93.5	0.46	0	1	1	0	0	1	1	1	1	1
tPt-3714	-	81.178	89	0.461	0	1	0	1	1	-	0	-	-	0
wPt-9577	-	79.215	87.5	0.461	0	1	-	1	1	1	-	0	0	0
wPt-0549	-	76.589	84.5	0.461	0	0	-	0	0	-	-	0	0	1
tPt-1079	-	79.854	87	0.462	0	0	1	0	0	1	1	-	1	1
wPt-1742	-	95.001	99	0.463	0	0	1	1	1	1	1	1	1	1
wPt-5395	-	94.709	99	0.463	0	0	1	1	1	1	1	1	1	1
rPt-7002	-	76.742	84.5	0.465	0	1	0	1	0	0	0	0	0	0
wPt-0494	-	90.927	92.5	0.468	0	0	0	0	0	0	0	0	0	0
wPt-6276	-	85.233	94	0.47	0	0	0	0	0	0	0	0	0	0
wPt-8811	-	74.376	82	0.47	0	1	0	1	1	0	0	-	-	0
tPt-0517	-	82.251	93.5	0.471	0	0	1	0	0	1	1	1	1	1
wPt-1163	-	87.509	96.5	0.475	0	0	1	0	0	1	1	1	1	1
tPt-6107	-	86.72	95.5	0.475	0	1	1	0	0	1	1	1	1	1
wPt-4281	-	94.646	99.5	0.479	0	0	1	1	0	1	1	1	1	1
wPt-1743	-	94.909	96	0.48	0	0	0	1	1	-	1	1	1	0
wPt-0665	-	90.718	98.5	0.48	0	1	1	0	0	1	1	1	1	1
rPt-4097	-	75.521	83	0.481	0	0	1	0	0	1	1	1	1	-
tPt-4209	-	86.6	95	0.482	0	0	1	0	0	1	1	1	1	0
wPt-2751	-	88.668	97	0.483	0	0	1	0	0	1	1	1	1	1
wPt-6154	-	90.977	97.5	0.484	0	0	0	1	1	1	1	0	0	1
rPt-5853	-	79.684	90	0.484	0	0	1	0	0	1	1	1	1	0
wPt-1424	-	87.265	93	0.485	0	1	1	0	1	1	1	1	1	0
wPt-0906	-	85.226	91	0.485	0	1	1	0	0	0	-	0	0	1
wPt-6902	-	90.99	98.5	0.486	0	0	0	0	1	0	0	0	0	0



tPt-8831	1A	84.509	94	0.409	0	0	1	0	0	1	1	1	1	1
wPt-1011	1A	79.894	83.5	0.424	0	1	1	0	0	0	0	0	0	0
wPt-5181	1A	95.656	98.5	0.446	0	1	1	0	0	0	0	0	0	1
wPt-6853	1A	79.146	87	0.448	0.023	1	1	0	0	0	0	0	0	-
wPt-6005	1A	93.463	98.5	0.449	0	1	1	0	0	0	0	0	0	1
wPt-8478	1A	80.582	88	0.463	0	0	1	-	-	-	1	1	1	1
wPt-1310	1A	85.205	94.5	0.466	0	1	1	0	0	0	0	0	0	1
wPt-1720	1A	79.601	88.5	0.488	0	0	1	0	1	-	1	1	1	1
wPt-4886	1A	91.842	100	0.49	0	1	0	1	0	0	0	0	0	0
wPt-6139	1A	75.131	81	0.491	0	1	0	1	1	1	0	0	0	0
wPt-2384	1A	75.23	81.5	0.492	0	1	0	1	1	-	0	0	0	-
wPt-9938	1A	93.13	100	0.493	0	1	0	0	0	0	0	0	0	1
tPt-5413	1A	88.121	93.5	0.494	0	1	1	0	0	0	0	1	1	1
wPt-4408	1A	92.507	98	0.495	0	1	0	0	0	0	0	0	0	1
wPt-2847	1A	90.306	93.5	0.495	0	1	0	0	0	0	0	0	0	1
wPt-2527	1A	86.923	93	0.499	0	0	1	0	0	-	1	1	1	1
wPt-3904	1A	86.855	93	0.499	0	0	1	0	0	-	1	1	1	1
wPt-5577	1A 1B	65.445	98.5	0.069	0	1	0	1	1	1	1	1	1	0
wPt-1786	1A 1B	89.077	98.5	0.286	0	0	1	0	0	0	0	0	0	1
wPt-1672	1A 1B	91.37	100	0.302	0	0	1	0	0	0	0	0	0	1
tPt-6091	1A 1B	80.211	96	0.305	0	0	1	0	0	0	0	0	0	1
wPt-1770	1A 1B	78.762	88.5	0.356	0	1	0	1	1	1	1	1	1	0
wPt-1313	1A 1B	77.842	84	0.363	0	1	0	1	1	-	1	-	-	0
wPt-5316	1A 1B	73.939	86	0.375	0	1	-	1	1	-	-	1	-	1
wPt-0128	1A 2A	81.696	92	0.334	0	1	0	1	1	1	0	0	0	1
wPt-6358	1A 3B 3D	89.597	93.5	0.269	0	0	0	0	0	0	0	0	0	0
wPt-0864	1A 6A	89.391	95.5	0.479	0	1	0	0	0	0	0	0	0	0
wPt-3836	1A 7A	90.1	96	0.5	0	0	1	0	0	1	1	0	0	-
wPt-7567	1A 7B	77.186	85.5	0.371	0	1	0	1	1	1	-	0	0	0
tPt-7980	1B	57.305	99.5	0.049	0	1	0	0	0	0	0	0	0	1
wPt-1973	1B	67.442	98	0.088	0	1	1	1	1	1	1	1	1	1
wPt-5907	1B	58.315	94	0.091	0	1	1	1	1	1	1	1	1	1
wPt-5253	1B	64.904	91.5	0.16	0	1	1	1	1	1	-	1	-	1
wPt-7273	1B	67.155	93	0.175	0	1	1	1	1	1	1	1	1	1
wPt-1116	1B	72.747	91.5	0.177	0	1	1	1	1	1	1	1	1	1
wPt-7160	1B	82.035	99	0.182	0	1	1	1	1	1	1	1	1	1
wPt-1363	1B	76.235	97.5	0.184	0	1	1	1	1	1	1	1	1	1
wPt-2315	1B	73.434	93.5	0.191	0	0	1	0	0	1	1	1	1	0
wPt-3227	1B	68.745	91	0.245	0	1	0	0	0	-	0	0	0	0
wPt-9032	1B	79.836	97	0.247	0	1	1	1	1	1	1	1	1	1
wPt-0506	1B	68.87	93.5	0.247	0	1	0	0	0	0	0	0	0	0
wPt-7066	1B	79.766	96	0.249	0	1	1	1	1	1	1	1	1	1
wPt-5061	1B	80.173	96	0.264	0	1	1	1	1	1	1	-	1	1
wPt-0328	1B	83.402	95.5	0.265	0	1	0	1	1	0	0	0	0	0
wPt-0705	1B	79.639	98	0.287	0	0	0	0	0	0	0	0	0	0
wPt-6012	1B	90.549	100	0.314	0	0	0	0	0	0	0	0	0	0
wPt-8240	1B	79.031	94.5	0.315	0	0	0	0	0	0	0	0	0	0
wPt-1248	1B	78.566	91	0.324	0	1	0	1	1	0	0	0	0	1
wPt-6690	1B	87.465	99.5	0.327	0	1	1	1	1	1	1	1	1	0
wPt-0459	1B	77.251	84	0.33	0	1	-	1	1	-	-	-	-	1
wPt-2575	1B	85.349	98	0.343	0	0	1	0	0	1	1	1	1	0
wPt-4129	1B	78.396	89.5	0.371	0	0	1	0	0	1	0	0	0	0
wPt-2526	1B	86.705	99	0.372	0	0	1	0	0	1	0	0	0	0
wPt-4532	1B	87.26	98.5	0.379	0	0	1	0	0	1	0	0	0	0
wPt-3451	1B	86.091	97.5	0.381	0	1	0	1	1	1	1	0	0	1
wPt-0260	1B	80.66	95.5	0.387	0	0	1	0	0	1	1	1	1	0
wPt-0983	1B	90.455	97	0.397	0	1	0	1	1	0	0	0	0	0
wPt-0944	1B	81.29	89	0.399	0	0	1	0	0	1	0	0	0	0
wPt-3566	1B	86.155	95	0.407	0	1	1	-	-	1	1	1	1	1
wPt-5801	1B	86.67	97.5	0.409	0	0	1	0	0	1	1	1	1	0
wPt-2257	1B	81.096	89	0.409	0	1	1	0	0	1	1	1	1	1
wPt-6975	1B	80.365	94	0.414	0	0	1	0	0	1	1	1	1	0
wPt-2230	1B	86.059	95	0.424	0	1	0	1	1	0	0	0	0	1
wPt-8744	1B	81.323	88.5	0.424	0	1	0	1	1	0	0	0	0	1
wPt-2389	1B	76.898	86.5	0.434	0	1	1	0	0	-	-	1	1	0
wPt-6229	1B	87.989	97	0.442	0	0	0	0	0	0	0	0	0	0
wPt-7188	1B	75.057	85.5	0.448	0	0	-	0	0	-	1	-	-	0
wPt-7708	1B	74.983	86	0.451	0	0	1	-	-	1	1	1	1	1
tPt-1772	1B	92.376	98	0.462	0	0	1	0	0	1	1	1	1	1
wPt-8279	1B	77.073	84	0.466	0.026	0	1	0	0	1	1	1	1	0
wPt-8949	1B	83.681	91.5	0.472	0	0	1	0	0	1	1	1	1	1
wPt-2988	1B	87.227	95.5	0.475	0	0	1	0	0	1	1	1	1	1
wPt-8320	1B	94.825	97.5	0.476	0	0	1	0	0	1	-	-	1	1

wPt-3477	1B	87.725	96	0.482	0	0	1	0	0	1	1	1	1	1
wPt-1560	1B	86.939	95	0.482	0	0	1	0	0	1	1	1	1	1
wPt-2395	1B	91.385	99	0.483	0	0	1	0	0	1	1	1	1	1
wPt-1403	1B	90.277	97.5	0.487	0	0	1	0	0	1	1	1	1	0
rPt-7906	1B	85.027	94.5	0.488	0	1	1	0	0	1	1	1	1	1
wPt-9409	1B	90.063	98	0.491	0	1	1	0	0	1	1	1	1	1
tPt-5249	1B	88.027	96	0.492	0	1	0	1	1	0	0	0	0	0
wPt-6442	1B	81.379	89	0.492	0	0	1	0	0	1	1	1	1	1
wPt-1247	1B	89.469	97.5	0.494	0	1	1	0	0	1	1	1	1	1
wPt-1818	1B	88.403	97.5	0.494	0.022	1	1	0	0	1	1	1	1	1
wPt-1684	1B	92.466	93	0.496	0	1	0	-	1	0	0	0	0	0
wPt-1589	1B	75.927	86.5	0.498	0	-	1	1	0	1	1	1	1	1
wPt-2706	1B	91.472	97.5	0.499	0	1	0	1	1	0	0	0	0	0
wPt-0419	1B	78.376	91.5	0.499	0	0	1	1	0	1	1	1	1	1
wPt-5678	1B	73.65	84.5	0.499	0	0	1	0	0	1	1	1	-	0
wPt-5562	1B	90.87	99	0.5	0	1	0	1	1	0	0	0	0	0
wPt-8776	1B 2B	78.449	80.5	0.49	0	1	0	-	-	-	-	0	0	1
wPt-8779	1B 3A	71.854	90	0.231	0	1	0	1	1	0	0	1	-	-
wPt-9369	1B 3A	89.375	98	0.465	0	0	1	0	0	1	1	1	1	1
wPt-7486	1B 3B	85.872	96	0.497	0	1	1	0	1	1	1	1	1	0
wPt-7094	1B 7B	86.883	94.5	0.479	0	0	1	0	0	1	1	1	1	1
wPt-8267	1B 7B	87.941	95	0.482	0	0	1	0	0	1	1	1	1	1
wPt-7242	1B 7B	90.267	94.5	0.497	0	1	0	1	1	0	0	0	0	0
wPt-5503	1D	69.818	98	0.141	0	0	1	0	0	1	1	1	1	1
wPt-0077	1D	82.377	99	0.165	0	0	1	0	0	1	1	1	1	1
wPt-8854	1D	76.52	98	0.167	0	0	1	0	0	1	1	1	1	1
wPt-3738	1D	74.205	94.5	0.206	0	0	0	0	0	0	0	0	0	0
wPt-9380	1D	78.705	98	0.207	0	0	0	0	0	0	0	0	0	0
wPt-7437	1D	68.805	91	0.213	0	0	1	0	0	1	-	1	1	1
wPt-0413	1D	80.991	98	0.23	0	0	0	0	0	0	0	0	0	0
wPt-8960	1D	86.697	95	0.266	0	0	1	0	0	-	1	-	1	1
wPt-4687	1D	84.257	98	0.273	0	0	1	0	0	1	1	1	1	1
wPt-7057	1D	79.92	95.5	0.279	0.021	0	1	0	0	1	1	1	1	1
wPt-3157	1D	73.401	91.5	0.281	0	-	1	0	0	1	1	1	1	1
wPt-7278	1D	85.348	98.5	0.286	0	0	1	0	0	1	1	1	1	1
wPt-8545	1D	91.25	98	0.287	0	0	1	0	0	1	1	1	1	1
wPt-3872	1D	89.924	100	0.289	0	0	1	0	0	1	1	1	1	1
wPt-7980	1D	86.162	100	0.289	0	0	1	0	0	1	1	1	1	1
wPt-4196	1D	86.678	98	0.293	0	0	1	0	0	1	1	1	1	1
wPt-3790	1D	89.87	97.5	0.295	0	0	1	0	0	1	1	1	1	1
wPt-4427	1D	83.989	97.5	0.295	0	0	1	0	0	1	1	1	1	1
wPt-6560	1D	80.443	97	0.302	0	-	1	0	0	1	1	1	1	1
wPt-7697	1D	89.769	99.5	0.303	0	0	1	0	0	1	1	1	1	1
wPt-4971	1D	83.04	95	0.307	0	0	1	0	0	1	1	1	1	1
wPt-3707	1D	90.163	100	0.308	0	0	1	0	0	1	1	1	1	1
wPt-4180	1D	88.998	99.5	0.309	0	0	1	0	0	1	1	1	1	1
wPt-1799	1D	84.453	97.5	0.314	0	0	1	0	0	1	1	1	1	1
wPt-4647	1D	83.715	97.5	0.314	0	0	1	0	0	1	1	1	1	1
wPt-3945	1D	90.173	99.5	0.315	0	0	1	0	0	1	1	1	1	1
wPt-4942	1D	81.507	96	0.317	0	0	1	0	0	1	1	1	1	1
wPt-9664	1D	78.878	92.5	0.32	0.025	0	1	0	0	1	1	1	1	1
wPt-4988	1D 2B	87.8	98.5	0.311	0	0	1	0	0	1	1	1	1	1
wPt-3179	2A	69.765	95.5	0.145	0	1	-	1	1	1	1	1	1	1
wPt-5865	2A	80.147	96.5	0.194	0	0	1	0	0	1	1	0	0	0
wPt-7626	2A	92.158	100	0.269	0	1	1	1	1	1	1	1	1	1
wPt-9277	2A	83.77	96	0.278	0	1	1	1	1	1	1	1	1	1
wPt-3114	2A	83.926	94	0.289	0	1	0	1	1	0	0	1	1	-
tPt-8937	2A	87.703	93.5	0.291	0	1	0	1	1	0	0	1	1	1
wPt-9624	2A	90.947	89.5	0.294	0	1	1	-	1	-	1	1	1	1
tPt-5584	2A	87.408	99	0.298	0	1	0	1	1	1	0	0	0	1
wPt-3896	2A	75.614	84	0.343	0	1	0	1	1	-	0	0	0	-
wPt-3611	2A	85.876	91	0.355	0	1	1	1	0	1	1	1	1	0
wPt-6361	2A	81.525	89	0.372	0	1	0	0	0	0	0	0	0	0
wPt-8925	2A	75.668	90	0.38	0	1	1	1	0	-	0	-	-	0
wPt-5027	2A	78.315	88	0.381	0	1	1	1	0	1	-	1	-	0
wPt-8328	2A	77.17	86	0.386	0	1	1	1	0	1	-	-	-	0
wPt-6687	2A	88.693	98	0.39	0	0	1	0	0	0	0	0	0	1
wPt-3744	2A	95.115	84.5	0.391	0	1	-	1	0	1	-	1	1	0
wPt-1722	2A	81.837	93.5	0.392	0	0	1	0	0	0	1	1	1	0
wPt-6205	2A	76.689	87.5	0.393	0	1	1	1	0	1	0	-	-	0
wPt-5647	2A	89.579	96.5	0.394	0	0	1	0	1	0	1	1	1	1
wPt-1480	2A	86.891	98.5	0.398	0	0	1	0	0	0	0	0	0	1
wPt-4533	2A	92.725	100	0.403	0	0	1	0	0	0	1	1	1	0





wPt-8040	2B 7B	81.881	99	0.221	0	1	0	0	0	0	0	0	0	0
wPt-1068	2D	65.332	94	0.147	0	1	1	1	1	1	1	1	1	1
wPt-0298	2D	81.92	98.5	0.166	0	0	1	0	0	1	1	1	1	1
wPt-0638	2D	76.334	98	0.238	0.022	0	0	0	0	-	0	0	0	0
wPt-3728	2D	74.701	93.5	0.239	0	0	0	0	0	-	0	-	-	0
wPt-1615	2D	87.131	100	0.262	0	1	0	0	0	0	0	0	0	0
wPt-2858	2D	85.812	99.5	0.263	0	1	0	0	0	0	0	0	0	0
wPt-9586	2D	81.98	99.5	0.263	0	1	0	0	0	-	0	0	0	0
wPt-2544	2D	76.639	88.5	0.324	0	0	1	0	0	1	1	-	0	0
wPt-0330	2D	82.696	95	0.338	0	0	1	0	0	1	-	1	-	1
wPt-3677	2D	92.148	99	0.351	0	0	1	0	0	1	1	1	1	1
wPt-9997	2D	89.367	98.5	0.352	0	0	1	0	0	1	1	1	1	1
wPt-9848	2D	81.35	95.5	0.355	0	0	1	0	0	1	1	1	1	1
wPt-6343	2D	87.756	98	0.37	0	0	1	0	0	1	1	1	1	1
wPt-8524	2D	85.14	97	0.372	0	0	1	0	0	1	1	1	1	1
wPt-1301	2D	88.982	98.5	0.374	0	0	1	0	0	1	1	1	1	1
wPt-1554	2D	79.461	96.5	0.374	0	0	1	0	0	1	1	1	1	1
wPt-3757	2D	80.814	88.5	0.379	0	0	1	-	0	1	1	1	1	1
wPt-1991	2D	81.851	95	0.383	0	-	1	0	0	1	1	1	1	1
wPt-8319	2D	75.44	88	0.386	0	-	1	-	-	1	1	1	1	1
wPt-5014	2D	80.016	92	0.391	0	0	1	0	0	1	1	1	1	1
wPt-9749	2D	77.598	89.5	0.392	0	0	1	0	0	1	1	1	1	1
wPt-8713	2D	84.057	92.5	0.404	0	0	1	0	0	1	1	1	1	1
wPt-4144	2D	77.589	89	0.404	0.024	0	1	0	0	1	1	1	1	1
wPt-6821	2D	86.582	95	0.411	0	0	1	0	0	1	1	1	1	1
wPt-5222	2D	75.368	80.5	0.413	0	0	1	-	-	1	1	1	1	1
wPt-4223	2D	87.01	95	0.44	0	0	1	0	0	1	1	1	1	1
wPt-3992	2D 7A	77.366	95	0.213	0	1	1	1	1	1	1	1	1	1
wPt-6657	2D 7B	78.241	92.5	0.384	0	0	1	0	0	1	1	1	1	1
wPt-2659	3A	54.689	99	0.049	0	1	1	0	1	1	1	1	1	1
wPt-0286	3A	62.039	93.5	0.052	0	1	-	0	1	1	1	1	1	1
wPt-4545	3A	74.967	95	0.197	0	0	0	1	1	0	0	1	1	1
wPt-1888	3A	80.101	99	0.205	0	0	0	1	1	0	0	1	1	1
wPt-0836	3A	73.54	93.5	0.216	0	1	0	1	1	0	0	1	1	1
wPt-2478	3A	73.829	92.5	0.218	0	1	0	1	1	0	0	1	-	-
wPt-0797	3A	74.306	91.5	0.22	0	1	0	1	1	0	0	-	-	-
wPt-1688	3A	70.597	88	0.236	0	1	0	1	1	0	0	1	1	-
wPt-2755	3A	87.832	96.5	0.255	0	0	0	0	0	0	0	0	0	0
wPt-2698	3A	71.428	89	0.265	0	1	1	1	1	1	1	1	1	1
tPt-9901	3A	73.616	90.5	0.277	0	0	0	0	0	0	0	0	0	0
wPt-2938	3A	84.971	99	0.278	0	1	0	1	1	0	0	0	0	0
wPt-1655	3A	86.298	97.5	0.281	0	1	0	1	1	0	0	0	0	0
wPt-7756	3A	84.909	98	0.293	0	0	0	0	0	0	-	0	0	0
wPt-1681	3A	77.297	93.5	0.304	0	0	0	0	0	-	-	0	0	0
wPt-5125	3A	85.437	93.5	0.336	0	1	0	1	1	0	0	0	0	0
wPt-6234	3A	79.816	93.5	0.336	0	0	0	0	0	0	-	0	0	0
wPt-9154	3A	73.359	89	0.336	0	0	0	0	0	0	0	0	0	0
wPt-5133	3A	81.828	92.5	0.339	0	1	0	1	1	0	0	0	0	0
tPt-7492	3A	83.039	92	0.34	0	1	0	1	1	0	0	0	0	0
wPt-9422	3A	87.46	96	0.353	0	1	0	1	1	0	0	0	0	1
wPt-3697	3A	82.466	92	0.364	0	1	0	1	1	0	0	0	0	1
wPt-1111	3A	86.346	93.5	0.406	0	1	0	1	1	0	0	0	0	0
wPt-7217	3A	78.8	89.5	0.417	0.022	1	0	1	1	0	0	0	0	1
wPt-1353	3A	90.795	99	0.451	0	0	1	0	0	1	1	1	1	1
wPt-7890	3A	92.715	99	0.454	0	0	1	0	0	1	1	1	1	1
wPt-7992	3A	88.286	96	0.454	0	0	1	0	0	1	1	1	1	1
wPt-6854	3A	89.779	98	0.467	0	0	1	0	0	1	1	1	1	1
wPt-4859	3A	80.071	86	0.473	0	1	0	1	0	0	0	0	0	-
wPt-5084	3A	77.837	86	0.473	0	1	0	1	0	0	0	0	0	-
wPt-6204	3A	74.855	84	0.49	0	-	1	-	0	1	1	1	1	0
wPt-0398	3A	81.85	93	0.492	0	0	1	0	0	1	1	1	1	1
wPt-9160	3A	87.342	95.5	0.494	0	0	1	0	0	1	1	1	1	1
wPt-1119	3A	86.215	95	0.499	0	1	0	0	1	1	1	1	1	1
tPt-6376	3A	84.74	91.5	0.499	0	0	0	0	0	0	0	0	0	1
wPt-3389	3A 4A	87.67	98	0.497	0	1	1	1	1	0	0	1	1	1
wPt-1482	3A 5B	60.36	91	0.142	0	0	0	0	0	0	0	0	0	1
wPt-2587	3A 6B	87.31	97	0.5	0	1	1	1	0	0	1	1	1	1
wPt-7608	3A 7A	88.098	96.5	0.283	0	0	0	0	0	0	0	0	0	0
wPt-0714	3A 7A	84.943	94.5	0.413	0	0	1	0	0	1	1	0	0	0
wPt-0438	3B	48.522	100	0.02	0	1	0	0	0	0	0	0	0	0
wPt-0280	3B	47.702	100	0.02	0	1	0	0	0	0	0	0	0	0
wPt-9368	3B	70.06	99.5	0.03	0	1	1	-	1	1	1	1	1	1
wPt-2391	3B	65.427	100	0.039	0	1	1	0	1	1	1	1	1	1

wPt-8021	3B	60.849	99.5	0.039	0	1	1	0	1	1	1	1	1	1
wPt-6945	3B	57.06	99.5	0.039	0	1	1	1	1	1	1	1	1	1
wPt-0325	3B	70.684	92.5	0.176	0	1	1	1	1	1	1	1	-	1
wPt-3609	3B	75.659	95.5	0.204	0	0	1	0	0	1	1	0	1	-
tPt-1366	3B	90.984	83	0.221	0	0	-	0	0	-	-	0	-	0
wPt-5704	3B	87.483	99	0.271	0	0	0	0	0	0	0	0	0	0
wPt-3327	3B	78.412	95.5	0.279	0	0	1	1	1	1	1	1	1	1
wPt-1590	3B	90.292	84.5	0.284	0	1	1	1	1	1	1	1	1	1
wPt-7142	3B	94.446	98.5	0.286	0	0	1	0	0	1	1	1	1	1
wPt-6973	3B	91.149	86.5	0.287	0	0	1	0	0	1	1	0	1	0
wPt-9310	3B	85.521	98	0.3	0	0	1	0	0	1	1	1	1	1
wPt-5716	3B	88.842	100	0.302	0	0	1	0	0	1	1	1	1	1
wPt-1625	3B	85.935	99.5	0.303	0	0	1	0	0	1	1	1	1	1
wPt-7229	3B	85.23	99	0.304	0	0	1	0	0	1	1	1	1	1
wPt-2416	3B	80.502	93.5	0.304	0	1	1	1	1	1	1	1	1	1
wPt-4597	3B	86.341	98	0.306	0	0	1	0	0	1	1	1	1	1
wPt-8356	3B	80.483	95	0.307	0	0	0	0	-	0	0	0	0	-
wPt-4364	3B	84.032	93.5	0.324	0	1	0	1	1	0	0	0	0	0
wPt-1159	3B	84.457	92.5	0.326	0	0	1	0	0	1	1	1	1	0
wPt-5769	3B	90.972	99.5	0.327	0	0	1	0	0	1	1	1	1	1
tPt-4541	3B	92.994	98.5	0.33	0	1	1	1	1	1	1	1	1	1
wPt-6961	3B	89.997	98.5	0.33	0	1	1	1	1	1	1	1	1	1
wPt-6718	3B	84.897	98.5	0.33	0	0	0	0	0	0	0	0	0	0
wPt-4127	3B	80.622	92.5	0.333	0	1	0	1	1	0	0	0	0	0
wPt-3760	3B	84.824	98.5	0.341	0	0	1	1	1	1	1	1	1	1
wPt-4209	3B	73.593	85.5	0.346	0	0	1	0	-	1	1	1	1	0
wPt-4412	3B	92.775	100	0.349	0	0	0	0	0	0	0	0	0	0
rPt-5396	3B	80.469	93	0.35	0	1	0	1	1	0	0	0	0	0
wPt-2280	3B	84.177	95	0.367	0	1	0	1	1	0	0	0	0	0
wPt-5105	3B	79.942	96	0.37	0	0	-	0	0	-	1	0	1	0
wPt-3921	3B	89.986	99	0.372	0	1	0	1	1	0	0	1	0	1
wPt-8079	3B	89.942	98.5	0.374	0	1	0	1	1	0	0	1	0	1
wPt-2757	3B	85.281	94.5	0.379	0	0	1	0	0	1	1	1	1	1
wPt-7212	3B	90.092	98.5	0.398	0	0	1	0	0	1	1	1	1	1
wPt-6047	3B	85.048	94.5	0.404	0	1	1	1	1	1	1	1	1	1
wPt-3536	3B	75.636	80.5	0.408	0	1	0	1	1	0	0	0	0	0
wPt-1484	3B	83.352	90	0.415	0	0	1	-	0	1	1	-	1	0
wPt-0302	3B	75.61	84	0.418	0	1	0	1	1	0	0	0	0	-
wPt-8828	3B	82.513	90	0.429	0	1	0	1	1	0	0	0	0	1
wPt-8238	3B	94.454	99.5	0.436	0	0	0	1	1	0	0	0	0	1
wPt-0250	3B	94.324	100	0.439	0	0	0	1	1	0	0	0	0	1
wPt-2119	3B	87.554	93.5	0.447	0	1	0	0	0	0	0	0	0	0
wPt-6467	3B	86.498	95.5	0.449	0	0	1	0	0	1	1	-	1	0
wPt-1940	3B	86.347	97	0.455	0	1	0	0	0	0	0	0	0	0
wPt-6785	3B	83.176	91	0.462	0	1	0	1	1	0	0	-	0	0
wPt-6376	3B	82.762	94	0.462	0	1	1	0	-	1	1	1	1	1
wPt-2720	3B	87.17	97	0.464	0	0	1	0	0	1	1	0	1	0
wPt-5939	3B	85.221	90	0.467	0	0	1	0	0	1	1	1	1	1
wPt-0384	3B	88.807	97.5	0.468	0	1	0	1	1	0	0	0	0	0
wPt-9510	3B	85.708	90	0.47	0	0	1	0	0	1	1	1	1	1
wPt-0036	3B	92.895	96	0.471	0	1	0	1	1	0	0	0	0	0
wPt-7961	3B	84.434	91	0.473	0	1	0	1	1	0	0	1	0	-
wPt-9432	3B	82.016	88	0.474	0	0	1	0	0	1	1	1	1	1
wPt-5906	3B	91.512	98.5	0.492	0	0	1	0	0	1	1	1	1	1
wPt-3107	3B	87.903	96	0.492	0	0	1	0	0	1	1	1	1	1
wPt-8480	3B	82.198	88	0.494	0	0	1	0	0	1	-	1	1	1
wPt-8096	3B	88.252	94.5	0.496	0	0	1	0	0	1	1	1	1	1
wPt-0544	3B	87.946	93.5	0.497	0	0	0	0	0	0	0	0	0	0
wPt-0021	3B	93.317	96.5	0.498	0	0	1	0	0	1	1	1	1	1
wPt-7984	3B	91.531	97.5	0.498	0	0	1	0	0	1	0	0	1	1
wPt-8752	3B	90.067	96.5	0.498	0	0	1	0	0	1	1	1	1	1
wPt-5947	3B	90.977	96.5	0.499	0	0	1	1	0	1	1	1	1	1
wPt-4194	3B	88.91	96.5	0.499	0	0	1	1	0	1	1	1	1	1
tPt-6487	3B	86.716	95	0.499	0	0	1	0	-	1	1	1	1	1
wPt-1191	3B	83.793	92	0.499	0.023	0	1	0	0	1	1	0	1	0
wPt-6239	3B	81.205	89.5	0.499	0	0	1	0	0	1	1	0	1	1
wPt-6216	3B	81.304	83	0.499	0	0	1	0	0	1	1	0	1	0
tPt-1093	3B	93.369	98.5	0.5	0	0	1	1	0	1	1	1	1	1
wPt-8559	3B	91.297	98	0.5	0	0	1	1	0	1	1	1	1	1
wPt-4842	3B	89.841	98	0.5	0	0	1	0	0	1	1	1	1	1
wPt-9579	3B	79.259	84	0.5	0	0	1	0	0	1	1	0	1	0
wPt-3094	3B 3D	64.54	96	0.108	0	1	-	1	1	-	-	0	-	1
wPt-9401	3B 3D	87.461	99.5	0.309	0	0	1	0	0	1	1	1	1	0



wPt-7919	4A	78.761	90	0.461	0	0	1	0	0	0	0	0	0	-
wPt-1155	4A	89.401	98	0.47	0	0	1	0	0	0	0	0	0	1
wPt-2331	4A	89.564	96.5	0.473	0	0	1	1	1	1	1	1	1	0
wPt-0763	4A	82.754	95	0.478	0	1	0	1	1	1	1	1	1	1
wPt-4680	4A	92.609	98	0.479	0	0	1	0	0	0	0	0	0	1
wPt-3638	4A	77.232	89	0.48	0	0	1	0	0	0	-	1	1	1
wPt-0538	4A	84.774	92	0.483	0	0	0	1	1	1	1	1	1	1
wPt-5271	4A	93.602	90	0.491	0	0	-	0	0	0	0	0	0	1
wPt-4596	4A	92.069	96.5	0.497	0	1	1	0	0	0	0	0	0	1
wPt-0558	4A	79.957	88	0.498	0	0	1	0	0	0	0	0	0	-
wPt-3349	4A	92.292	99	0.499	0	0	1	0	0	0	0	0	0	1
wPt-7939	4A	78.322	82.5	0.499	0	0	1	-	-	1	1	1	1	0
wPt-1375	4A 6A	89.958	98.5	0.214	0	1	0	1	1	0	1	0	0	1
wPt-6995	4A 6A	86.189	98.5	0.214	0	1	0	1	1	0	1	0	0	1
wPt-1642	4A 6A	83.084	97.5	0.216	0	1	0	1	1	0	1	0	0	1
wPt-1708	4B	54.722	92.5	0.093	0	0	1	0	0	0	0	0	0	0
wPt-7569	4B	66.187	88	0.165	0	1	1	-	1	1	1	1	1	1
wPt-0391	4B	67.592	92	0.168	0	1	1	1	1	1	1	1	-	1
wPt-8856	4B	83.219	94	0.215	0	1	0	1	1	1	1	1	1	1
wPt-5334	4B	83.166	97	0.217	0	0	1	0	1	1	1	1	1	1
wPt-6123	4B	87.598	99.5	0.22	0	0	1	0	1	1	1	1	1	1
wPt-5497	4B	87.546	99	0.221	0	0	1	0	1	1	1	1	1	1
wPt-6209	4B	72.202	91.5	0.244	0	1	1	0	1	0	0	0	0	0
wPt-3917	4B	78.44	96	0.278	0	1	0	0	0	0	0	0	0	1
wPt-1272	4B	92.737	88	0.298	0	0	0	-	-	0	0	0	0	0
wPt-8796	4B	81.856	95	0.307	0	1	0	1	1	1	1	1	1	1
wPt-7062	4B	74.51	88	0.332	0	1	0	1	1	1	-	1	1	1
wPt-8756	4B	76.097	91	0.378	0	0	1	-	-	1	1	1	1	1
tPt-5519	4B	80.566	91	0.383	0	1	0	1	1	0	0	1	0	0
wPt-4607	4B	90.407	97	0.411	0	1	1	0	0	1	1	1	1	1
wPt-4918	4B	74.716	85.5	0.419	0	1	1	0	-	-	-	0	0	0
wPt-8650	4B	75.892	87	0.424	0	1	1	0	0	-	1	1	1	1
wPt-8291	4B	90.244	84	0.427	0	1	0	1	-	1	1	1	1	1
wPt-2678	4B	74.473	80.5	0.45	0	0	1	-	-	1	1	1	1	1
wPt-5996	4B	92.782	96.5	0.465	0	1	1	0	0	0	0	0	0	1
wPt-3804	4B	89.152	96.5	0.468	0	1	1	0	0	0	0	0	0	1
wPt-0608	4B	73.839	80.5	0.486	0	0	-	0	0	0	0	0	0	0
wPt-7233	4B	86.041	91.5	0.499	0	1	0	0	0	0	0	0	0	0
wPt-8555	4B	91.773	97.5	0.5	0	1	0	0	0	0	0	0	0	0
wPt-8107	4B	73.083	80.5	0.5	0	0	1	-	-	-	1	-	-	-
wPt-6869	4B 7B	87.081	89	0.5	0	0	1	1	1	0	0	1	1	1
wPt-0431	4D	77.802	99	0.157	0	0	1	0	0	1	1	1	-	1
wPt-5809	4D	68.674	98	0.158	0	0	1	0	0	1	1	1	-	1
tPt-4627	4D	68.434	92	0.185	0	-	0	1	1	1	0	0	0	1
wPt-4572	4D	69.886	94.5	0.237	0	0	0	0	0	0	0	0	0	0
wPt-3058	4D	83.932	99.5	0.249	0	1	1	1	1	1	1	1	1	1
wPt-0941	4D	74.193	93.5	0.269	0	0	0	0	0	0	0	0	0	0
wPt-8836	4D	87.14	97.5	0.338	0	0	0	0	0	1	1	1	1	1
wPt-0710	4D	91.521	97	0.345	0	0	1	0	0	-	1	1	1	1
wPt-0472	4D	87.909	98	0.359	0	0	1	0	0	1	1	1	1	1
wPt-7878	4D	78.502	92.5	0.368	0	0	1	0	0	1	1	1	1	1
wPt-3178	4D	77.177	86.5	0.385	0	0	1	0	-	1	1	1	1	1
wPt-2379	4D	76.207	84	0.403	0	0	1	0	0	1	1	1	1	1
wPt-9887	5A	67.32	96.5	0.135	0	0	1	0	0	0	0	0	0	-
wPt-5096	5A	77.958	98	0.15	0	1	0	1	1	0	-	0	0	1
wPt-5231	5A	63.058	96	0.161	0	0	1	0	0	1	1	1	1	0
wPt-2661	5A	64.194	89.5	0.163	0	1	1	1	1	1	1	1	1	1
wPt-9094	5A	81.974	98	0.191	0	1	1	1	1	1	1	1	1	1
wPt-1370	5A	82.415	99	0.236	0	1	1	1	1	1	1	1	1	1
wPt-8262	5A	82.288	93	0.306	0	1	0	1	1	0	1	0	0	1
wPt-1903	5A	83.452	96.5	0.335	0	0	0	0	0	0	0	0	0	0
wPt-5796	5A	86.353	96.5	0.368	0	0	1	0	0	1	1	1	1	1
wPt-1165	5A	87.664	97	0.392	0	0	1	0	0	0	0	0	0	-
wPt-3334	5A	79.688	89.5	0.403	0	0	1	0	0	1	1	1	1	-
wPt-1979	5A	84.958	96	0.417	0	0	1	0	0	1	1	1	1	0
wPt-8226	5A	82.141	85	0.425	0.022	1	-	1	1	-	-	1	-	1
wPt-7769	5A	79.145	89.5	0.434	0.023	0	1	0	0	-	-	0	0	1
wPt-1712	5A	87.472	95.5	0.449	0	1	1	0	0	-	0	0	0	0
tPt-6495	5A	92.776	99.5	0.459	0	0	0	1	1	1	1	1	1	0
tPt-4184	5A	92.092	99	0.46	0	0	0	1	1	1	1	1	1	0
wPt-8069	5B	54.302	97	0.05	0	1	1	1	1	1	1	1	-	1
wPt-9598	5B	63.727	93	0.072	0	0	1	0	0	0	0	0	0	1
wPt-9103	5B	69.331	95.5	0.08	0	0	1	0	0	0	0	0	0	1



wPt-9205	6A	79.14	89.5	0.315	0	0	-	0	0	0	-	-	-	1
wPt-0228	6A	83.383	97.5	0.326	0	0	0	0	0	0	0	0	0	0
wPt-8124	6A	83.352	95.5	0.337	0	1	0	1	1	0	1	0	0	1
wPt-8266	6A	89.555	97.5	0.391	0	1	0	1	0	0	0	0	0	0
wPt-5652	6A	91.809	99.5	0.395	0	1	0	1	0	0	0	0	0	0
wPt-9679	6A	91.21	99.5	0.395	0	1	0	1	0	0	0	0	0	0
wPt-3524	6A	87.656	97	0.397	0	1	0	1	0	-	0	0	0	0
wPt-7027	6A	78.129	90	0.42	0	1	0	1	0	0	0	0	0	0
wPt-7906	6A	81.86	88	0.421	0	1	-	1	0	0	0	-	-	0
tPt-6661	6A	89.499	98	0.429	0	0	1	0	0	1	0	1	1	0
wPt-9692	6A	84.34	94.5	0.429	0	1	0	0	1	1	1	1	1	0
wPt-1377	6A	84.511	91	0.456	0	-	1	1	1	1	1	1	1	1
wPt-7938	6A	75.389	84	0.466	0	1	-	0	0	-	-	-	-	-
wPt-7475	6A	85.938	94.5	0.469	0	0	1	1	1	1	1	1	1	1
wPt-8006	6A	83.873	97	0.472	0	1	0	0	0	0	0	0	0	0
wPt-3468	6A	89.694	98	0.477	0	1	0	0	0	0	0	0	0	0
wPt-0562	6A	80.449	92	0.479	0	1	0	0	0	0	0	0	0	0
wPt-4016	6A	89.894	96.5	0.48	0	1	0	0	0	0	0	0	0	0
wPt-2636	6A	89.191	95	0.48	0	1	0	0	0	0	0	0	0	0
wPt-2077	6A	80.839	93.5	0.48	0	0	1	0	0	0	0	0	0	1
wPt-7204	6A	78.369	83.5	0.48	0.023	0	-	-	-	1	-	1	1	0
wPt-4017	6A	76.229	84	0.488	0	1	0	0	0	0	0	0	0	0
wPt-1664	6A	92.739	98	0.493	0	0	0	0	1	0	0	0	1	0
wPt-9382	6A	92.722	99.5	0.493	0	0	0	0	1	0	0	0	1	0
wPt-7623	6A	91.943	100	0.494	0	1	1	1	0	0	0	0	0	1
wPt-3965	6A	93.08	95.5	0.496	0	1	1	1	0	0	0	0	0	1
wPt-9832	6A	82.02	89.5	0.497	0	0	0	1	0	0	0	0	0	1
wPt-1285	6A	79.583	85	0.498	0	0	1	0	1	-	1	-	1	0
wPt-7330	6A	78.398	85.5	0.498	0.023	1	0	0	0	0	0	0	0	0
wPt-9584	6A	92.015	98.5	0.5	0	1	0	0	1	-	1	1	1	0
wPt-9075	6A	91.979	94.5	0.5	0	0	1	1	1	1	1	1	1	1
wPt-2822	6A	90.987	98	0.5	0	1	0	0	1	-	1	1	1	0
wPt-8117	6A	85.794	93.5	0.5	0	1	1	1	0	1	1	1	0	1
wPt-8833	6A 6B	65.064	88	0.219	0	1	1	1	1	1	1	1	-	1
wPt-7599	6A 6B	86.324	97	0.289	0	1	0	0	0	0	0	0	0	0
wPt-9690	6A 6B	86.794	95	0.436	0	1	0	0	1	1	1	1	1	0
wPt-2573	6A 6B	86.855	94	0.438	0	1	0	0	1	1	1	1	1	0
wPt-5885	6A 6B	76.405	90	0.458	0	-	0	0	0	0	0	0	0	0
wPt-6661	6A 6D	87.958	94.5	0.444	0	1	1	1	1	1	1	1	1	1
wPt-0689	6A 7A	90.406	99	0.397	0	1	0	1	0	0	0	0	0	0
wPt-7627	6B	39.959	99.5	0.01	0	1	0	0	0	0	0	0	0	0
wPt-5234	6B	81.735	97	0.134	0	0	1	0	0	0	0	1	1	-
wPt-2095	6B	64.563	93	0.139	0.023	1	1	1	1	1	1	1	1	1
wPt-6674	6B	80.467	98.5	0.141	0	0	1	0	0	0	0	1	1	1
wPt-8015	6B	68.489	95.5	0.162	0	0	1	0	0	0	0	1	1	1
wPt-9952	6B	74.548	96.5	0.169	0	0	1	0	0	0	0	0	0	1
wPt-4164	6B	75.527	97	0.177	0	0	1	0	0	0	0	0	0	1
tPt-4990	6B	72.445	94	0.182	0	1	1	1	1	1	1	1	1	1
wPt-3045	6B	88.539	96.5	0.255	0	0	0	0	0	0	0	0	0	0
wPt-3116	6B	77.941	95.5	0.265	0	1	0	1	1	1	1	0	0	0
wPt-5596	6B	76.132	82.5	0.265	0	0	-	0	0	-	0	-	-	-
wPt-1048	6B	78.973	94.5	0.281	0	0	0	0	0	0	0	0	0	0
wPt-1264	6B	87.65	99	0.284	0	0	0	0	0	0	0	0	0	0
wPt-1541	6B	79.837	97	0.289	0	0	0	0	0	0	0	0	0	0
wPt-5256	6B	90.204	100	0.308	0	0	0	0	0	0	0	0	0	0
wPt-8721	6B	89.345	100	0.314	0	0	0	0	0	0	0	0	0	0
wPt-6160	6B	84.965	100	0.332	0	0	0	0	0	0	0	0	0	0
wPt-2175	6B	73.044	89.5	0.334	0	0	0	0	0	0	0	0	0	0
wPt-4858	6B	78.348	88	0.339	0	0	-	0	0	-	-	-	-	0
wPt-1730	6B	93.383	91	0.343	0	0	-	0	0	0	-	-	1	1
wPt-3424	6B	85.222	96	0.348	0	1	0	1	1	1	1	0	0	1
wPt-5333	6B	89.617	99	0.351	0	1	0	1	1	1	1	0	0	1
wPt-7954	6B	88.999	97	0.351	0	0	0	1	1	1	1	0	0	1
wPt-3309	6B	85.456	98	0.354	0	1	0	1	1	1	1	0	0	1
wPt-5408	6B	79.282	92.5	0.363	0	0	1	0	0	0	0	1	1	1
wPt-6116	6B	88.319	98	0.375	0	1	1	0	0	0	0	0	0	1
wPt-9256	6B	93.874	99.5	0.376	0	0	1	0	0	0	0	0	0	1
wPt-1496	6B	90.188	96	0.395	0	0	1	0	0	1	1	1	1	1
wPt-4924	6B	82.856	96	0.395	0	0	1	0	0	0	1	1	1	1
wPt-9881	6B	87.29	98	0.399	0	0	1	0	0	0	1	1	1	1
wPt-3581	6B	88.599	98.5	0.402	0	0	1	0	0	0	1	1	1	1
wPt-9971	6B	75.661	90.5	0.405	0	1	1	0	0	0	1	1	1	1
wPt-6247	6B	86.24	97.5	0.426	0	1	0	1	1	1	0	0	0	1







wPt-2305	7B	91.557	98	0.462	0	0	1	0	0	0	0	0	0	0
wPt-4300	7B	83.78	92	0.471	0	1	1	0	0	0	0	0	0	1
wPt-9813	7B	88.261	90	0.478	0	0	0	0	0	0	0	0	0	0
wPt-9877	7B	81.551	87.5	0.491	0	1	0	1	1	1	1	0	0	0
wPt-0547	7B	84.867	89	0.494	0	1	0	1	1	1	1	0	0	0
wPt-4038	7B	92.335	98	0.499	0	1	1	0	0	0	0	-	-	1
wPt-5585	7B	91.978	98.5	0.499	0	1	1	0	0	0	0	1	1	1
tPt-8504	7B	93.294	99.5	0.5	0	0	1	0	0	0	0	1	1	1
wPt-4555	7D	60.458	99	0.049	0	0	0	0	0	0	0	0	0	0
wPt-5674	7D	65.529	91.5	0.15	0	0	1	0	0	1	1	1	1	1
wPt-7654	7D	88.013	83.5	0.154	0	0	-	0	0	1	-	-	-	-
wPt-5049	7D	71.359	98.5	0.166	0	0	1	0	0	1	1	1	1	1
wPt-4115	7D	74.503	97.5	0.176	0	0	1	0	0	1	1	1	1	1
wPt-0949	7D	90.893	85	0.199	0	0	-	0	0	-	-	-	-	1
wPt-8343	7D	77.037	95	0.259	0	0	0	0	0	0	0	0	0	0
wPt-7842	7D	74.324	89	0.28	0	0	0	0	0	0	0	0	0	0
wPt-2054	7D	84.13	98.5	0.286	0	0	0	0	0	0	0	0	0	0
wPt-1628	7D	81.144	92	0.294	0	0	0	0	0	0	0	0	0	0
wPt-9822	7D	82.256	97.5	0.295	0	0	0	0	0	0	0	0	0	0
wPt-1405	7D	74.153	88	0.325	0	0	0	0	0	-	-	0	0	0
wPt-0934	7D	91.789	98	0.337	0	0	1	0	0	1	1	1	1	1
wPt-2258	7D	90.573	97	0.339	0	0	-	0	0	1	1	-	1	1
wPt-3727	7D	87.967	99	0.346	0	0	1	0	0	1	1	1	1	1
wPt-1269	7D	83.632	94	0.364	0	0	1	0	0	1	1	1	1	1
wPt-2565	7D	88.404	98.5	0.369	0	0	1	0	0	1	1	1	1	1
wPt-2592	7D	78.346	88.5	0.379	0	0	-	0	0	0	0	-	-	-
wPt-5150	7D	76.647	84	0.403	0	0	1	-	-	1	1	1	1	1









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E/3-3-CE/3-3-CE/3-3-CE/3-3-CE/3-3-CE/3-3-OE/3-3-CE/3-3-CE/3-3-CE/3-3-CE/3-3-CE/3-3-CE/3-3-CE/3-3-CE/3-3-OE/3-3-CE/3-3-CE/3-3-CE/3-3-C																	
D	E	F	G	H	A	B	C	D	E	F	G	H	A	B	C	D	E
4	4	4	4	4	5	5	5	5	5	5	5	5	6	6	6	6	6
2/49-M 11-8	2/49-M 11-8	2/49-M 30-15	2/49-M 30-15	2/49-M 3-3	2/49-M 3-3	2/49-M 13-4M	2/49-M 13-4M	2/49-M 13-4b	2/49-M 13-4b	Sunco PBI	Sunco PBI	Sunco CYMMIT	Sunco CYMMIT	Sunco Cook20	Sunco Cook20	Sunco USQ (new)	Sunco USQ
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E/3-3-0E/3-3-0E/3-3-0E/3-3-0E/3-3-0E/3-3-0E/3-3-0E/3-3-0E/3-3-0E/3-3-0E/3-3-0E/3-3-0E/3-3-0E/3-3-0E/3-3-0E/3-3-0E/3-3-0E/3-3-0E/3-3-0	B	C	D	E	F	G	H	A	B	C	D	E	F	G	H	A	B	C
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F2Sunco/Bell 21	F2Sunco/Bell 22	F2Sunco/Bell 23	F2Sunco/Bell 24	F2Sunco/Bell 25	F2Sunco/Bell 26	F2Sunco/Bell 27	F2Sunco/Bell 28	F2Sunco/Bell 29	F2Sunco/Bell 30	F2Sunco/Bell 31	F2Sunco/Bell 32	F2Sunco/Bell 33	F2Sunco/Bell 34	F2Sunco/Bell 35	F2Sunco/Bell 36	Parent 230604	Parent 230604	
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