

module	query sequence			length	aligned sequences	%ID _{each}	%ID _{avg}	intra
1	1p	1	25292	25292	17q: 43948 - 19570	98.01	98.01	0
2	1p	1	43068	43068	5q: 58545 - 15084	98.93	98.93	0
3	1p	1	127509	127509	6q: 133267 - 9260	98.65	98.65	0
4	1p	26953	29950	2998	chr1: 239479432 - 239482412	97.27	97.27	1
5	1p	26953	43068	16116	chr4: 119705181 - 119722680	97.44	97.44	0
6	1p	26953	62722	35770	chrY: 25807359 - 25838662 chrY: 24800028 - 24831337	96.83 96.83	96.83	0
7	1p	26996	134371	107376	8p: 1 - 103892	98.69	98.69	0
8	1p	28586	29950	1365	chr1: 220383273 - 220384637	98.14	98.14	1
9	1p	30974	43068	12095	chr1: 220385665 - 220399178 chr1: 239483436 - 239496859	97.21 97.36	97.28	1
10	1p	44765	45785	1021	chr14: 32023058 - 32024075	93	93	0
11	1p	48942	58649	9708	chr4: 119695468 - 119705181	97.33	97.33	0
12	1p	48942	62722	13781	chr1: 220399178 - 220412991 chr1: 239496859 - 239510646	97.61 97.38	97.5	1
13	1p	48942	147924	98983	5q: 158314 - 58545	98.84	98.84	0
14	1p	52507	62722	10216	16q: 23961 - 13817	97.58	97.58	0
15	1p	54485	62722	8238	2q: 8258 - 107	97.46	97.46	0
16	1p	58653	62722	4070	chr4: 119944731 - 119948842	97.51	97.51	0
17	1p	70481	145957	75477	6p: 16681 - 87328	98.17	98.17	0
18	1p	70481	147924	77444	19p: 68278 - 145776	98.72	98.72	0
19	1p	70845	112213	41369	15q: 116787 - 75007	98	98	0
20	1p	71832	147924	76093	11p: 1 - 75496	98.67	98.67	0
21	1p	115941	141190	25250	chrY: 25847059 - 25878360 chrY: 24760333 - 24791629	95.87 95.89	95.88	0
22	1p	115941	144518	28578	7p: 2360 - 32053	98.39	98.39	0
23	1p	115941	146624	30684	20q: 46227 - 21029 chr10: 38769794 - 38800932 chr4: 119904851 - 119936314 chr1: 239518849 - 239549639	97.41 96.56 96.47 97.06	96.88	1
24	1p	116486	130948	14463	chr4: 165542477 - 165556842	95.61	95.61	0
25	1p	116486	136356	19871	2q: 37420 - 17207	96.97	96.97	0
26	1p	116486	139987	23502	chr1: 220421937 - 220445916	97.25	97.25	1
27	1p	116486	147924	31439	16q: 66298 - 32910	98.35	98.35	0
28	1p	126107	128002	1896	chr1: 224457879 - 224459772	97.23	97.23	1
29	1p	126808	147924	21117	3q: 21199 - 1	98.99	98.99	0
30	1p	128449	141190	12742	chr1: 224467506 - 224480262	96.89	96.89	1
31	1p	131997	140893	8897	chr7: 55985248 - 55994150	94.68	94.68	0
32	1p	132000	134020	2021	chr7: 61805021 - 61806480 chr1: 193837523 - 193839718 chr7: 55420846 - 55423188	92.69 92.72 92.81	92.74	1
33	1p	132020	138740	6721	chr7: 45414266 - 45420987	94.61	94.61	0
34	1p	135982	146847	10866	chr7: 127667204 - 127677946	96.65	96.65	0
35	1p	136001	138740	2740	chr7: 51009103 - 51011866 chr7: 55363599 - 55366358 chr7: 56432157 - 56434907 chr7: 39393644 - 39396387 chr7: 62457999 - 62460749 chr1: 219029846 - 219032485	93.00 94.00 94.00 93.00 94.00 97.00	94.17	1
36	1p	137311	146847	9537	chr4: 120680507 - 120690600 chr7: 56434997 - 56436149	95.39 94.56	95.39	0
37	1p	138830	140589	1760	chr1: 219032574 - 219033728 chr7: 55366448 - 55368463 chr7: 62455575 - 62457909 chr7: 51011956 - 51014002 chr7: 39391514 - 39393554	96.97 94.72 94.37 94.85 95.38	95.14	1
38	1p	138830	145546	6717	chr7: 45403637 - 45414176	95.05	95.05	0
39	1p	140895	145546	4652	chr1: 224460233 - 224466670	94.41	94.41	1
40	1p	144251	145546	1296	chr7: 51020104 - 51021398	95.75	95.75	0

41	1p	144252	146847	2596	chr7: 55375429 - 55378337 chr7: 56005902 - 56008498 chr7: 39386597 - 39389187 chr1: 219039323 - 219041921 chr1: 220447184 - 220449733	96.62 96.56 95.95 96.63 98.06	96.76	1
42	1p	144957	147924	2968	7p: 32493 - 35468	97.72	97.72	0
43	1p	147657	148954	1298	chr7: 45403637 - 45404932 chr1: 224460233 - 224461546	96.38 95.07	95.72	1
44	1p	147728	150225	2498	chr7: 55375429 - 55378283 chr7: 56005902 - 56008474 chr7: 39386621 - 39389187 chr7: 127667228 - 127669796 chr10: 38769818 - 38772390 chr4: 120688005 - 120690576 chr4: 119904875 - 119907443 chr1: 219039323 - 219041897 chr1: 239547046 - 239549615 chr1: 220447854 - 220449709	96.48 95.95 95.26 97.58 95.83 95.67 95.36 96.03 97.33 97.81	96.33	1
45	1p	147895	151331	3437	11p: 71805 - 75496 5q: 158314 - 154639 3q: 21199 - 17517 16q: 66298 - 62611 7p: 32499 - 35468 19p: 142809 - 145776	97.75 98.91 98.03 97.95 97.41 98.03	98.01	0
46	1p	151063	152515	1453	chr7: 45403637 - 45404932 chr10: 38771094 - 38772390 chr4: 119906144 - 119907443 chr1: 224460233 - 224461546 chr7: 39387491 - 39389187 chr7: 127668095 - 127669796 5q: 156343 - 154639 chr7: 51020104 - 51021398	96.00 95.59 95.57 94.70 95.44 97.99 98.58 94.95	96.1	1
47	1p	151063	191186	40124	7p: 31783 - 71832 11p: 71805 - 111964 19p: 142094 - 182218	98.30 98.43 98.37	98.37	0
48	1p	151065	153642	2578	chr7: 55375429 - 55378283 16q: 65198 - 62611 chr7: 56005902 - 56008476 3q: 20099 - 17517 chr4: 120688005 - 120690578 chr1: 219039323 - 219041899 chr1: 239547046 - 239549617 chr1: 220447184 - 220449711	96.28 97.48 95.93 98.01 95.84 96.12 97.13 97.77	96.82	1
49	1p	153070	185365	32296	5q: 189359 - 156637	98.4	98.4	0
50	1p	154479	171037	16559	chr7: 56005902 - 56027313	92.97	92.97	0
51	1p	154479	188802	34324	chr1: 219039323 - 219081989	97.3	97.3	1
52	1p	154479	191186	36708	3q: 57717 - 20931 16q: 102624 - 66030	98.44 98.38	98.41	0
53	1p	154479	192623	38145	chr1: 239547046 - 239591053	97.3	97.3	1
54	1p	154479	198083	43605	chr4: 120688005 - 120742610	96.55	96.55	0
55	1p	154526	157234	2709	chr7: 55375429 - 55383906 chr7: 56015725 - 56026447	93.85 90.67	92.26	0
56	1p	156853	197632	40780	chr10: 38723054 - 38764372	96.98	96.98	0
57	1p	156858	173095	16238	chr7: 127645453 - 127661758	96.14	96.14	0
58	1p	156858	178230	21373	chr7: 39360178 - 39381110	93	93	0
59	1p	156858	182943	26086	chr1: 220455168 - 220481396	97.88	97.88	1
60	1p	156858	192623	35766	chr4: 119869229 - 119899413	97.49	97.49	0
61	1p	156882	161096	4215	chr7: 45392682 - 45396890	96.06	96.06	0
62	1p	158227	163866	5640	chr11: 49997861 - 50003428 chr7: 56475714 - 56481294 chr7: 62412186 - 62417768 chr7: 64516409 - 64521893 chr7: 51029490 - 51036010	90.00 90.88 90.88 91.16 92.62	91.11	0
63	1p	158357	161096	2740	chr7: 55385504 - 55388239	94.41	94.41	0
64	1p	160844	170174	9331	chr7: 65587537 - 65593232	91.45	91.45	0

65	1p	164330	169875	5546	chr7: 64511343 - 64515807	91.43	91.43	0
66	1p	169656	191186	21531	9q: 22260 - 834	98.29	98.29	0
67	1p	169940	198083	28144	chr7: 45352592 - 45389874	96.19	96.19	0
68	1p	172348	173830	1483	chr7: 64507178 - 64508843	92.35	92.35	0
69	1p	172832	178286	5455	chr7: 56029594 - 56035175	93.01	93.01	0
70	1p	179165	180280	1116	chr7: 56036051 - 56037182	92.82	92.82	0
71	1p	180241	188802	8562	chr7: 127636388 - 127644996	95.34	95.34	0
72	1p	182809	184294	1486	chr7: 75222310 - 75223815 chr7: 65540948 - 65542445	92.76 94.07	93.41	0
73	1p	185854	187122	1269	chr7: 64469009 - 64470133 chr7: 63774859 - 63776045	90.32 90.41	90.36	0
74	1p	187408	198083	10676	chr1: 220481705 - 220501430	97.38	97.38	1
75	1p	190744	196652	5909	chr11: 50204185 - 50210330	92.36	92.36	0
76	1p	194962	197534	2573	chr7: 62184405 - 62186779 chr7: 56736665 - 56739034 chr7: 61936467 - 61938837 chr7: 35460461 - 35474160	92.15 92.15 92.11 91.99	92.1	0
77	1p	205659	213212	7554	chr1: 220510992 - 220518541	97.91	97.91	1
78	1p	205679	229635	23957	8p: 329082 - 353117	96.52	96.52	0
79	1p	213342	229635	16294	chr1: 220518672 - 220534939	97.99	97.99	1
80	1p	218996	229635	10640	2q: 48198 - 37437	97.96	97.96	0
81	1p	231380	233742	2363	8p: 279211 - 281570	97.7	97.7	0
82	1p	238096	242735	4640	8p: 134360 - 138988	98.07	98.07	0
83	1p	241682	242735	1054	6q: 134337 - 133279	98.36	98.36	0
84	1p	245037	280290	35254	8p: 194471 - 231807	97.08	97.08	0
85	1p	281460	283440	1981	21q: 19448 - 17848 18p: 91016 - 93277 10q: 19834 - 17578 22q: 18168 - 15901 4p: 14074 - 15591 4q: 7234 - 5717 19q: 15185 - 12919 16q: 6877 - 4620 chr2: 114093391 - 114095655 6p: 91533 - 93673 1q: 11022 - 8975 7p: 71845 - 73566 11p: 111977 - 113702 3q: 59455 - 57730 9q: 23994 - 22273 19p: 182231 - 183954 16q: 104358 - 102637 8p: 105117 - 106839 2p: 2251 - 5049 18p: 1669 - 6845	95.00 95.18 94.52 95.67 93.36 93.26 96.00 95.78 95.93 92.75 93.70 96.51 97.19 97.19 96.51 97.10 96.51 96.78 96.72 93.41	95.25	1
86	1p	284104	286515	2412	chr1: 224030580 - 224037287 10p: 125 - 2430 chr2: 132394854 - 132397167 chr22: 14844304 - 14846620 chr14: 18425318 - 18427632 chr12: 34147807 - 34150020	91.12 93.81 93.77 93.77 93.86 91.88	93.09	1
87	1p	287192	293392	6201	4q: 127186 - 121253	93.17	93.17	0
88	1p	287195	288715	1521	16q: 133323 - 131398 chr12: 36874324 - 36875442	93.18 90.00	91.59	0
89	1p	287201	301425	14225	18p: 17567 - 38559 10p: 13173 - 34166 9q: 82885 - 65244 3q: 115912 - 100958	93.46 93.46 93.78 93.84	93.64	0
90	1p	288354	296670	8317	chr12: 34182787 - 34200623	90.42	90.42	0
91	1p	293260	295734	2475	chr1: 238554207 - 238558412	91.14	91.14	1
92	1p	293274	304945	11672	chrY: 10561453 - 10577074	92.96	92.96	0
93	1p	295513	296696	1184	chrY: 18946969 - 18958077 chrY: 18047953 - 18059059	91.00 91.00	91	0
94	1p	301880	304623	2744	chr1: 5649685 - 5661440	93.19	93.19	1
95	1p	305118	309301	4184	chr3: 75933584 - 75937820	95.04	95.04	0

96	1p	357462	373002	15541	chr2: 130701507 - 130704726	94.88	94.88	0
97	1p	357462	373273	15812	chr2: 132032476 - 132035943	93.73	93.73	0
98	1q	1764	12469	10706	10q: 21274 - 8629 22q: 19698 - 6932 chr2: 114084410 - 114097183 19q: 16715 - 3954	93.99 94.40 94.47 94.69	94.39	0
99	1q	1764	10576	8813	21q: 19448 - 8673	95.16	95.16	0
100	1q	1764	4813	3050	chr3: 75756447 - 75760281	94.34	94.34	0
101	1q	1786	8975	7190	5q: 11967 - 5746 17q: 16452 - 8455 8p: 116333 - 122565 6q: 6141 - 1	94.87 94.81 93.30 95.01	94.5	0
102	1q	4691	9184	4494	19p: 193602 - 199397	94.71	94.71	0
103	1q	4691	7881	3191	6q: 147506 - 145675	90.83	90.83	0
104	1q	4692	15422	10731	4p: 7723 - 22772 13q: 5935 - 1401	92.86 91.64	92.25	0
105	1q	7033	15422	8390	5p: 617 - 8075 4q: 11634 - 2781	93.67 92.09	92.88	0
106	1q	7394	12244	4851	16q: 7774 - 1705 18p: 88797 - 95146	93.09 92.65	92.87	0
107	1q	8975	28891	19917	6p: 91611 - 105620	94.06	94.06	0
108	1q	9143	11119	1977	1p: 281407 - 283465 16q: 104535 - 102637	93.50 93.47	93.48	1
109	1q	9311	12434	3124	19p: 182231 - 185064 11p: 111977 - 115229 7p: 71845 - 75097 9q: 25525 - 22273 3q: 60982 - 57730 8p: 105117 - 107957	93.68 93.08 93.29 93.19 93.25 93.49	93.33	0
110	1q	9569	15422	5854	2p: 3280 - 10453	91.63	91.63	0
111	1q	165119	167249	2131	chr8: 95806410 - 95869973	91.24	91.24	0
112	1q	283789	318216	34428	chr1: 244914453 - 244949099	97.7	97.7	1
113	2p	2614	23214	20601	13q: 15153 - 1374	91.5	91.5	0
114	2p	2615	7987	5373	4p: 7699 - 18608	91.93	91.93	0
115	2p	2635	17320	14686	21q: 20521 - 12379	93.36	93.36	0
116	2p	2945	10453	7509	1q: 15422 - 4691 6p: 92174 - 98867	91.72 91.39	91.56	0
117	2p	3123	6333	3211	10q: 21274 - 12303 19q: 16715 - 7670 22q: 19698 - 10660 16q: 104535 - 102867 19p: 182461 - 185064 8p: 105346 - 107957 11p: 112207 - 115229 3q: 60982 - 57960 9q: 25525 - 22503 7p: 72075 - 75097 18p: 91812 - 94731 chr2: 114094473 - 114097183	92.82 92.07 92.30 91.43 91.91 92.54 92.08 92.08 91.70 91.70 92.23 91.75	92.05	1
118	2p	3689	5486	1798	1p: 281971 - 283465 16q: 7770 - 5957	91.20 92.01	91.61	0
119	2p	4878	6584	1707	4q: 8797 - 7063	92.03	92.03	0
120	2p	6456	17877	11422	5p: 2293 - 16944	91.64	91.64	0
121	2p	9594	11886	2293	4q: 13056 - 10778	90.51	90.51	0
122	2p	9594	14710	5117	4p: 21916 - 27322	91.16	91.16	0
123	2p	89266	91971	2706	21q: 26137 - 23656	92.95	92.95	0
124	2p	155328	164148	8821	chr3: 197233860 - 197243557	93.02	93.02	0
125	2p	155328	168204	12877	5p: 18771 - 31689	92.68	92.68	0
126	2p	266803	268101	1299	chr1: 230277578 - 230278744	93.72	93.72	0
127	2q	79	37420	37342	16q: 52766 - 15778 chrY: 25830407 - 25873515 chrY: 24765178 - 24808289	97.75 96.29 96.31	96.78	0
128	2q	107	14732	14626	chr1: 239502401 - 239517107	96.81	96.81	0

129	2q	107	8258	8152	5q: 72329 - 64090 1p: 54485 - 62722 chr1: 220404716 - 220412991 6q: 64494 - 56258 8p: 21631 - 29862	97.81 97.60 97.80 97.81 97.74	97.75	0
130	2q	107	4174	4068	chr4: 119695468 - 119699622	97.41	97.41	0
131	2q	4178	37417	33240	chr4: 119915974 - 119948842	97.12	97.12	0
132	2q	9926	37420	27495	chr10: 38780554 - 38807668	96.91	96.91	0
133	2q	10787	20769	9983	chr1: 220415524 - 220425497	97.78	97.78	0
134	2q	11804	31737	19934	chr4: 165537042 - 165556804	95.95	95.95	0
135	2q	14584	37420	22837	7p: 91 - 22770 20q: 41420 - 18783 chr1: 239517108 - 239539374	97.58 97.61 97.38	97.52	0
136	2q	17207	37420	20214	11p: 43725 - 63564 5q: 146656 - 126807 19p: 113350 - 133490 6p: 62675 - 82522	97.62 97.53 97.46 97.23	97.46	0
137	2q	17207	35177	17971	8p: 86034 - 103892	97.23	97.23	0
138	2q	17207	28265	11059	6q: 133270 - 122211	97.75	97.75	0
139	2q	17207	20769	3563	1p: 116486 - 120046	97.72	97.72	0
140	2q	20913	37420	16508	chr1: 220425641 - 220442288	97.24	97.24	0
141	2q	20913	22092	1180	1p: 120190 - 121369	98.67	98.67	0
142	2q	25664	37420	11757	1p: 124946 - 136356	97.06	97.06	0
143	2q	26855	28809	1955	chr1: 224457827 - 224459772	96.88	96.88	0
144	2q	27564	37420	9857	3q: 9502 - 1	97.47	97.47	0
145	2q	29178	37420	8243	chr1: 224472349 - 224480262	97.08	97.08	0
146	2q	32817	34583	1767	chr7: 61805021 - 61806470 chr1: 193837523 - 193838976 chr7: 55420846 - 55423188	92.52 92.35 92.75	92.54	0
147	2q	32825	37420	4596	chr7: 55985248 - 55989644 chr7: 45416639 - 45420987	95.89 96.77	96.33	0
148	2q	37437	48245	10809	1p: 218996 - 229635 chr1: 220524327 - 220535034	98.27 97.74	98	0
149	2q	37438	91777	54340	8p: 290588 - 339694	96.28	96.28	0
150	2q	113376	130689	17314	chr8: 70400743 - 70415059	91.27	91.27	0
151	2q	123778	130109	6332	chr5: 1658875 - 1664417 5p: 274416 - 281490	91.30 92.02	91.66	0
152	2q	127244	130638	3395	chr3: 196868578 - 196872736	92.6	92.6	0
153	2q	127253	129369	2117	chr3: 197206782 - 197208724	92.28	92.28	0
154	2q	127259	137427	10169	chr3: 198844371 - 198861538	92.86	92.86	0
155	2q	129544	130680	1137	chr9: 136942169 - 136943924	92.33	92.33	0
156	2q	130470	138715	8246	5p: 262223 - 274318 chr5: 1665247 - 1678396	92.81 94.03	93.42	0
157	2q	130535	139193	8659	chr3: 197151348 - 197162783	92.22	92.22	0
158	3p	25836	27430	1595	chr3: 75358906 - 75362529	95.58	95.58	1
159	3p	27552	30982	3431	chr3: 75362651 - 75370581	93.46	93.46	1
160	3p	31906	33277	1372	chr3: 75371501 - 75372877	96.22	96.22	1
161	3p	33334	36566	3233	chr3: 75372933 - 75376158	95.02	95.02	1
162	3p	37417	66238	28822	chr3: 75377008 - 75411740	95.3	95.3	1
163	3q	1	87720	87720	16q: 131364 - 43247 7p: 13255 - 102116	98.41 98.45	98.43	0
164	3q	1	75708	75708	11p: 54057 - 128459	98.67	98.67	0
165	3q	1	60961	60961	19p: 123991 - 185461	98.73	98.73	0
166	3q	1	51879	51879	5q: 189359 - 137159	98.61	98.61	0
167	3q	1	21199	21199	1p: 126808 - 147924	98.99	98.99	0
168	3q	1	19763	19763	6p: 72998 - 87328 20q: 46227 - 31895 chr1: 239529853 - 239549639 chr10: 38769794 - 38790071 chr4: 119904851 - 119925461	97.91 97.84 97.19 96.82 97.02	97.36	0
169	3q	1	14339	14339	chrY: 24760333 - 24774734 chrY: 25863958 - 25878360	95.96 95.94	95.95	0
170	3q	1	13137	13137	chr1: 220432757 - 220445916	97.49	97.49	0
171	3q	1	9502	9502	2q: 37420 - 27564	97.1	97.1	0
172	3q	1	7525	7525	8p: 96353 - 103892	98.57	98.57	0

173	3q	1	1249	1249	chr1: 224457827 - 224459071	98	98	0
174	3q	4	3716	3713	chr4: 165552704 - 165556462	95.58	95.58	0
175	3q	1594	14339	12746	chr1: 224467506 - 224480262	96.85	96.85	0
176	3q	5148	14042	8895	chr7: 55985248 - 55994150	94.51	94.51	0
177	3q	5151	7171	2021	chr7: 61805021 - 61806472 chr1: 193837523 - 193839718 chr7: 55420846 - 55423188	91.84 92.63 92.44	92.3	0
178	3q	5171	11886	6716	chr7: 45414266 - 45420987	94.61	94.61	0
179	3q	9134	20121	10988	chr7: 127667204 - 127677946	96.68	96.68	0
180	3q	9153	11886	2734	chr7: 51009103 - 51011866 chr7: 39393644 - 39396387 chr7: 62457999 - 62460749 chr7: 55363599 - 55366358 chr7: 56432157 - 56434907 chr1: 219029846 - 219032485	93.00 93.00 94.00 94.00 94.00 97.00	94.17	0
181	3q	10457	20121	9665	chr4: 120680507 - 120690600	94.96	94.96	0
182	3q	11976	18815	6840	chr7: 45403637 - 45414176	95.23	95.23	0
183	3q	11976	13736	1761	chr1: 219032574 - 219033728 chr7: 56434997 - 56436149 chr7: 62455590 - 62457909 chr7: 55366448 - 55368463 chr7: 39391514 - 39393554 chr7: 51011956 - 51014002	96.86 94.15 94.45 94.36 94.91 94.13	94.81	0
184	3q	14044	18815	4772	chr1: 224460233 - 224466670	94.42	94.42	0
185	3q	17517	25043	7527	1p: 151063 - 158591	98.72	98.72	0
186	3q	17517	21199	3683	1p: 147657 - 151331	98.39	98.39	0
187	3q	17520	18815	1296	chr7: 51020104 - 51021398	95.53	95.53	0
188	3q	17521	20121	2601	chr1: 219039323 - 219041921 chr7: 39386597 - 39389187 chr7: 55375429 - 55378337 chr7: 56005902 - 56008498 chr1: 220447184 - 220449733	96.72 96.16 96.61 96.65 98.20	96.87	0
189	3q	20931	57717	36787	chr1: 239547046 - 239589627 chr4: 120688005 - 120730560	97.29 96.44	96.87	0
190	3q	20931	55324	34394	chr1: 219039323 - 219081989	97.25	97.25	0
191	3q	20931	37501	16571	chr7: 56005902 - 56027313	92.93	92.93	0
192	3q	20978	23681	2704	chr7: 55375429 - 55383896 chr7: 56015725 - 56026447	94.49 90.68	92.59	0
193	3q	23307	57717	34411	chr10: 38729667 - 38764372 chr4: 119870679 - 119899413	97.09 97.41	97.25	0
194	3q	23310	49429	26120	chr1: 220455168 - 220481396	97.65	97.65	0
195	3q	23310	44682	21373	chr7: 39360178 - 39381110	92.94	92.94	0
196	3q	23310	39561	16252	chr7: 127645453 - 127661758	95.71	95.71	0
197	3q	23334	27562	4229	chr7: 45392682 - 45396890	95.91	95.91	0
198	3q	23597	30181	6585	chr7: 62412186 - 62418873	91.35	91.35	0
199	3q	24680	30560	5881	chr7: 56475714 - 56481294 chr7: 51029490 - 51036010	91.43 93.18	92.31	0
200	3q	24809	27562	2754	chr7: 55385504 - 55388239	93.96	93.96	0
201	3q	26086	27562	1477	chr11: 49999260 - 50000805	91.6	91.6	0
202	3q	27310	57717	30408	1p: 160844 - 191186	98.37	98.37	0
203	3q	27310	36336	9027	chr7: 64511343 - 64519292	91.14	91.14	0
204	3q	27310	30650	3341	chr7: 65590242 - 65593232	90.87	90.87	0
205	3q	36117	119439	83323	9q: 88449 - 834	97.8	97.8	0
206	3q	36123	57717	21595	chr7: 45368447 - 45390152	96.2	96.2	0
207	3q	38814	40276	1463	chr7: 64507178 - 64508843	92.35	92.35	0
208	3q	39298	44738	5441	chr7: 56029594 - 56035175	92.72	92.72	0
209	3q	45629	46769	1141	chr7: 56036051 - 56037182	92.73	92.73	0
210	3q	46730	55324	8595	chr7: 127636388 - 127644996	95.24	95.24	0
211	3q	49295	50780	1486	chr7: 75222310 - 75223815 chr7: 65540950 - 65542445	92.68 94.03	93.36	0
212	3q	51708	57717	6010	chr11: 50209890 - 50211058	90	90	0
213	3q	52275	53636	1362	chr7: 63774859 - 63776250 chr7: 64469009 - 64470133	90.56 90.32	90.44	0
214	3q	53922	57717	3796	chr1: 220481705 - 220485566	97.32	97.32	0

215	3q	57706	60967	3262	8p: 104622 - 108356 10q: 21671 - 18113 6p: 91944 - 95168 22q: 19684 - 16443 1q: 12559 - 9311 18p: 91554 - 95132 19q: 16701 - 13461 chr2: 114093933 - 114097169 4q: 8783 - 6261 4p: 14618 - 17140 2p: 3251 - 6570	97.39 93.48 92.86 97.31 92.80 94.48 97.01 97.05 93.49 93.52 91.59	94.63	0
216	3q	57730	59360	1631	1p: 281741 - 283465 16q: 7077 - 5156 21q: 19448 - 18188	96.81 95.38 96.13	96.11	0
217	3q	65850	73851	8002	17p: 727 - 18220	96.81	96.81	0
218	3q	87850	99280	11431	7p: 130045 - 141501	97.89	97.89	0
219	3q	99386	119228	19843	10p: 10952 - 39687 18p: 15346 - 44090 chr12: 34168714 - 34210423	95.14 95.27 91.27	93.89	0
220	3q	100958	115912	14955	1p: 287230 - 301429	94.14	94.14	0
221	3q	105654	118792	13139	chrY: 18047953 - 18076360	91.18	91.18	0
222	3q	105657	106765	1109	chr1: 243986733 - 243996864 chrY: 10567257 - 10568441	90.65 93.00	91.83	0
223	3q	110861	119065	8205	4q: 126874 - 109517 chrY: 18929676 - 18942635	93.92 91.05	92.48	0
224	3q	114461	119437	4977	16q: 138855 - 131467 chr12: 36865089 - 36875442	94.72 90.77	92.75	0
225	3q	117716	119438	1723	chr3: 75834770 - 75837024 chrY: 10552604 - 10553871	91.97 90.65	91.31	1
226	3q	124163	126679	2517	10q: 85668 - 83221 4q: 78877 - 76430	91.20 90.87	91.03	0
227	3q	124173	125380	1208	chr3: 75796196 - 75797387	91.68	91.68	1
228	3q	127585	140222	12638	chr5: 84158536 - 84166018	92.06	92.06	0
229	3q	140414	141426	1013	chr5: 84204349 - 84205411	91.68	91.68	0
230	3q	143348	146483	3136	chr5: 84253750 - 84256617	92.22	92.22	0
231	3q	155105	173470	18366	chr8: 43220224 - 43226455	91.37	91.37	0
232	3q	155996	183239	27244	chr21: 14220320 - 14273129	91.67	91.67	0
233	3q	155996	157246	1251	chr18: 14170148 - 14171404	91.3	91.3	0
234	3q	156747	159024	2278	chr9: 33512095 - 33515657 chr9: 38601554 - 38605067	91.47 90.48	90.97	0
235	3q	158691	167637	8947	chr9: 92652033 - 92662431	91.47	91.47	0
236	3q	158691	164706	6016	chr9: 97030524 - 97042993	91.02	91.02	0
237	3q	161678	163399	1722	chr9: 38595799 - 38598726 chr9: 33518744 - 33521425	90.77 90.84	90.81	0
238	3q	164741	170471	5731	chr9: 38588238 - 38594721 chr9: 97025319 - 97030101	91.44 91.89	91.66	0
239	3q	167479	178921	11443	chr9: 33525081 - 33536584	92.62	92.62	0
240	3q	170746	183256	12511	chr9: 97009645 - 97024576	91.26	91.26	0
241	3q	177510	179229	1720	chr9: 38579888 - 38581288	90.7	90.7	0
242	3q	179254	183237	3984	chr13: 18299772 - 18305947 chr2: 94893857 - 94900008 chr18: 14220855 - 14223626	91.94 90.79 92.65	91.79	0
243	3q	180892	183256	2365	chr9: 38573399 - 38575161 chr9: 33541649 - 33543410	91.29 91.29	91.29	0
244	3q	216508	252173	35666	chr9: 94333705 - 94366610 chr8: 122460261 - 122460556	91.41 92.49	91.41	0
245	3q	281413	284402	2990	chr12: 32898960 - 32899254 chr17: 24682666 - 24682959 chr16: 12874563 - 12874862 chr1: 200536390 - 200536689 chr12: 48534873 - 48535173 chr9: 71430302 - 71430601 chr22: 42677817 - 42678104	90.00 91.51 93.52 91.51 91.04 91.52 93.22	91.85	0
246	3q	281435	284404	2970	chr16: 67060724 - 67061002	91.56	91.56	0
247	4p	7699	12004	4306	6q: 147519 - 145651	90.58	90.58	0

248	4p	7699	27342	19644	13q: 10484 - 1375	91.42	91.42	0
249	4p	7714	17154	9441	10q: 21689 - 12304 chr2: 114088128 - 114097183 19q: 16715 - 7670 22q: 19698 - 10660	90.67 91.96 92.12 91.96	91.68	0
250	4p	7715	14458	6744	19p: 193578 - 199396 6q: 7195 - 1847 5q: 13021 - 7682 17q: 17506 - 12166 21q: 18851 - 12379	91.27 91.98 91.49 91.49 91.13	91.47	0
251	4p	7723	22772	15050	1q: 15422 - 4691	92.54	92.54	0
252	4p	11125	24198	13074	4q: 13060 - 2763	98.46	98.46	1
253	4p	11143	13573	2431	8p: 120622 - 123046	91	91	0
254	4p	11143	27342	16200	5p: 622 - 13652	92.52	92.52	0
255	4p	11500	16821	5322	16q: 7774 - 1699 18p: 88797 - 95146	91.88 92.65	92.27	0
256	4p	14202	22772	8571	6p: 91533 - 98867	92.79	92.79	0
257	4p	14346	15689	1344	1p: 281205 - 283465 16q: 104535 - 102639	91.78 92.95	92.37	0
258	4p	14618	17154	2537	9q: 25525 - 22275 7p: 71847 - 75097 8p: 105118 - 108370 11p: 111979 - 115229 3q: 60982 - 57732 19p: 182233 - 185482	93.64 93.64 91.76 93.06 92.60 93.14	92.97	0
259	4p	15154	27322	12169	2p: 3558 - 14710	91	91	0
260	4p	185032	188601	3570	chr11: 9553495 - 9560690	91.54	91.54	0
261	4p	191448	203036	11589	chr18: 14113043 - 14124512	91	91	0
262	4p	282780	294432	11653	chr21: 14317809 - 14326816 chr18: 14117071 - 14124599	90.80 91.06	90.93	0
263	4p	408846	411665	2820	chr17: 64646851 - 64681546	93.19	93.19	0
264	4q	2771	13058	10288	4p: 11123 - 24198 5p: 622 - 9438	98.46 91.91	95.19	1
265	4q	2775	5760	2986	5q: 13021 - 10020 6q: 7195 - 4191 17q: 17506 - 14505 8p: 120622 - 123046 19p: 196024 - 199396	91.26 91.79 91.26 91.36 91.44	91.42	0
266	4q	2776	7177	4402	16q: 7077 - 1699 21q: 18851 - 14729	91.61 90.86	91.23	0
267	4q	2781	36107	33327	10q: 46814 - 14674	97.27	97.27	0
268	4q	2781	11634	8854	1q: 15422 - 7036	91.7	91.7	0
269	4q	2781	8797	6017	22q: 19698 - 13010 19q: 16715 - 10020 chr2: 114090478 - 114097183	91.36 92.12 91.86	91.78	0
270	4q	3505	15653	12149	18p: 88797 - 102436	93.31	93.31	0
271	4q	5717	7234	1518	1p: 281205 - 283465	91.69	91.69	0
272	4q	5845	11634	5790	6p: 91533 - 98867	92.2	92.2	0
273	4q	6261	8797	2537	16q: 105889 - 102639 7p: 71847 - 75097 9q: 25525 - 22275 19p: 182233 - 185482 3q: 60982 - 57732 8p: 105118 - 108370 11p: 111979 - 115229	93.69 93.69 93.69 93.25 92.46 91.79 93.10	93.1	0
274	4q	6797	13056	6260	2p: 3558 - 11886	90.96	90.96	0
275	4q	8663	11716	3054	13q: 6017 - 2102	92.49	92.49	0
276	4q	15442	32814	17373	10q: 46814 - 29390	98.99	98.99	0
277	4q	15442	29521	14080	10q: 46814 - 32700	98.96	98.96	0
278	4q	15442	26221	10780	10q: 46814 - 35999	99	99	0
279	4q	15442	22927	7486	10q: 46814 - 39308	98.93	98.93	0
280	4q	15442	19634	4193	10q: 46814 - 42618	98.8	98.8	0
281	4q	18742	39404	20663	10q: 46814 - 26091	98.95	98.95	0
282	4q	22035	39686	17652	10q: 43786 - 26091	98.93	98.93	0
283	4q	25335	39686	14352	10q: 40476 - 26091	98.9	98.9	0

284	4q	28629	39682	11054	10q: 37163 - 26091	98.89	98.89	0
285	4q	31922	39686	7765	10q: 33868 - 26091	98.81	98.81	0
286	4q	35215	39686	4472	10q: 30558 - 26091	98.61	98.61	0
287	4q	38512	39686	1175	10q: 27259 - 26091	98.29	98.29	0
288	4q	39686	81906	42221	10q: 88677 - 46814	98.37	98.37	0
289	4q	43533	85810	42278	chr3: 75761698 - 75804455	95.11	95.11	0
290	4q	82188	83378	1191	chrY: 10602384 - 10605587	90.00	97.04	0
					10q: 44069 - 43013	98.29		
					10q: 40759 - 39703	98.29		
					10q: 37450 - 36394	97.86		
					10q: 34151 - 33095	98.29		
					10q: 30841 - 29785	98.29		
10q: 27542 - 26486	98.29							
291	4q	84408	89657	5250	chr9: 64132151 - 64135635	90.86	90.86	0
292	4q	88909	109738	20830	chr3: 75803938 - 75835090	92.65	92.65	0
293	4q	100581	111447	10867	chr12: 34209036 - 34230448	91.45	91.45	0
294	4q	109513	126874	17362	10p: 28824 - 39586	93.36	93.64	0
					18p: 33215 - 43990	93.53		
					9q: 88348 - 77401	94.03		
295	4q	109513	123167	13655	16q: 138755 - 131398	94.73	94.73	0
296	4q	109517	111410	1894	chr12: 36865186 - 36867121	91.56	91.26	0
					3q: 119338 - 117506	90.98		
					chrY: 10552713 - 10554516	91.23		
297	4q	121272	127030	5759	1p: 287192 - 293392	93.27	93.71	0
					3q: 115912 - 110514	94.15		
298	4q	125569	127186	1618	chr12: 34196193 - 34197802	91.18	91.18	0
299	4q	129786	203410	73625	chr20: 28193700 - 28254858	93.54	93.54	0
300	4q	148465	228836	80372	chr9: 66813927 - 66892012	93.61	93.6	0
					chr9: 67052957 - 67131004	93.60		
301	4q	389382	391241	1860	chr16: 33865962 - 33867849	91.03	91.03	0
302	4q	389382	391239	1858	chr2: 132840626 - 132842508	90.64	90.64	0
303	5p	617	4451	3835	1q: 13870 - 7031	94.43	94.43	0
304	5p	617	17258	16642	21q: 21380 - 14724	92.48	92.48	0
305	5p	622	9438	8817	4q: 13056 - 2781	92.51	92.51	0
306	5p	622	13652	13031	4p: 11143 - 27342	92.68	92.68	0
307	5p	683	2362	1680	19p: 196019 - 197721	93.86	93.63	1
					10q: 21689 - 14669	93.28		
					chr2: 114090473 - 114097185	93.36		
					8p: 120617 - 123564	95.03		
					19q: 16717 - 10015	93.63		
					22q: 19700 - 13005	93.46		
					6q: 5868 - 4197	94.70		
					16q: 3379 - 1705	94.00		
					5q: 11694 - 10026	93.30		
					17q: 16179 - 14511	93.30		
18p: 88797 - 95146	91.99							
308	5p	2293	8075	5783	6p: 95055 - 98867	93.71	93.71	0
309	5p	2293	14897	12605	13q: 11739 - 2108	91.61	91.61	0
310	5p	2293	16995	14703	2p: 6456 - 17928	91.78	91.78	0
311	5p	16125	27646	11522	chr3: 197230504 - 197244078	93.45	93.45	0
312	5p	18771	31666	12896	2p: 155328 - 168181	92.29	92.29	0
313	5p	197391	246221	48831	chr5: 1620762 - 1652265	96.44	96.44	1
314	5p	200769	251030	50262	chr3: 196873665 - 196909300	93.42	93.42	0
315	5p	200769	269778	69010	chr3: 197154630 - 197205838	93.59	93.59	0
316	5p	200777	211326	10550	chr3: 198834782 - 198843420	93.61	93.61	0
317	5p	248964	262636	13673	chr5: 1677980 - 1687907	95.57	94.73	1
					chr3: 198862190 - 198872062	93.90		
318	5p	262223	269778	7556	chr3: 197214129 - 197221816	92.49	92.49	0
319	5p	262223	281457	19235	2q: 138714 - 123812	92.15	92.15	0
320	5p	263756	269778	6023	chr3: 198851711 - 198861497	93.82	93.82	0
321	5p	269995	281194	11200	chr8: 70399528 - 70407084	91.32	91.32	0
322	5p	270537	272685	2149	chr3: 73195843 - 73198706	94.51	94.51	0
323	5p	270974	288231	17258	chr5: 1653358 - 1668818	96.43	96.43	1

324	5p	271310	273942	2633	chr3: 197211300 - 197214109 chr3: 198848840 - 198851194 chr3: 197151399 - 197154125	94.26 94.66 94.13	94.35	0
325	5p	274733	278314	3582	chr3: 196868822 - 196872795 chr3: 198844298 - 198848270	93.39 93.82	93.6	0
326	5p	275691	278314	2624	chr3: 197206715 - 197208720	93.8	93.8	0
327	5q	1037	2646	1610	6q: 141080 - 139446	91.83	91.83	0
328	5q	1038	12824	11787	19p: 189683 - 199081 chr2: 114079703 - 114093488 8p: 112649 - 123045	95.90 95.72 94.91	95.51	0
329	5q	2247	41588	39342	17q: 43948 - 4319	98.67	98.67	0
330	5q	2247	13019	10773	22q: 16000 - 3342 10q: 17677 - 5039 21q: 17747 - 5548 19q: 13018 - 639	95.43 96.09 95.52 95.89	95.73	0
331	5q	5746	11967	6222	1q: 8975 - 1764	95.66	95.66	0
332	5q	5746	7808	2063	chr3: 75756447 - 75760281	93.52	93.52	0
333	5q	5836	137863	132028	6q: 133270 - 1	98.57	98.57	0
334	5q	7682	13021	5340	4p: 7719 - 14175	92.28	92.28	0
335	5q	10026	15432	5407	16q: 13032 - 1705	96.76	96.76	0
336	5q	10026	11694	1669	5p: 618 - 2291	94.7	94.7	1
337	5q	10390	13021	2632	4q: 5818 - 2781 18p: 88797 - 91117	92.10 93.44	92.77	0
338	5q	15084	130366	115283	1p: 1 - 120046	98.83	98.83	0
339	5q	42421	72329	29909	chrY: 24800028 - 24831337 chrY: 25807359 - 25838662	96.88 96.88	96.88	0
340	5q	42421	68260	25840	chr4: 119695468 - 119722680	97.48	97.48	0
341	5q	42421	45418	2998	chr1: 239479432 - 239482412	97.35	97.35	0
342	5q	42464	144676	102213	8p: 1 - 103892	98.77	98.77	0
343	5q	44054	45418	1365	chr1: 220383273 - 220384637	98.14	98.14	0
344	5q	46443	72329	25887	chr1: 220385665 - 220412991 chr1: 239483436 - 239510646	97.40 97.56	97.48	0
345	5q	62109	72329	10221	16q: 23961 - 13817	97.62	97.62	0
346	5q	64090	72329	8240	2q: 8258 - 107	97.67	97.67	0
347	5q	68264	72329	4066	chr4: 119944731 - 119948842	97.98	97.98	0
348	5q	80102	189359	109258	19p: 68278 - 176313	98.47	98.47	0
349	5q	80102	156343	76242	6p: 16681 - 87323	98.08	98.08	0
350	5q	80764	122536	41773	15q: 116787 - 75307	98.04	98.04	0
351	5q	81451	189359	107909	11p: 1 - 106130	98.43	98.43	0
352	5q	126263	156996	30734	20q: 46222 - 21028 chr1: 239518848 - 239549617 chr10: 38769816 - 38800933 chr4: 119904873 - 119936314	97.56 97.15 96.55 96.88	97.03	0
353	5q	126264	151484	25221	chrY: 24760333 - 24791629 chrY: 25847059 - 25878360	96.08 95.99	96.03	0
354	5q	126535	189359	62825	7p: 2359 - 66000 16q: 96795 - 32910	98.45 98.42	98.44	0
355	5q	126807	146656	19850	2q: 37420 - 17207	97.3	97.3	0
356	5q	126807	140872	14066	chr4: 165542477 - 165556462	95.78	95.78	0
357	5q	126807	130366	3560	chr1: 220421937 - 220425497	97.59	97.59	0
358	5q	130510	150281	19772	chr1: 220425641 - 220445916	97.24	97.24	0
359	5q	130510	131688	1179	1p: 120190 - 121369	98.33	98.33	0
360	5q	135265	158314	23050	1p: 124946 - 147924	98.87	98.87	0
361	5q	136460	138396	1937	chr1: 224457838 - 224459772	97.25	97.25	0
362	5q	137159	189359	52201	3q: 51879 - 1	98.61	98.61	0
363	5q	138750	151484	12735	chr1: 224467506 - 224480262	96.84	96.84	0
364	5q	142300	151187	8888	chr7: 55985248 - 55994150	94.68	94.68	0
365	5q	142303	144322	2020	chr7: 61805021 - 61806472 chr1: 193837523 - 193839718 chr7: 55420846 - 55423188	92.28 92.72 92.77	92.59	0
366	5q	142323	149040	6718	chr7: 45414266 - 45420987	95.29	95.29	0
367	5q	146288	157214	10927	chr7: 127667226 - 127677946	96.59	96.59	0

368	5q	146307	149040	2734	chr7: 51009103 - 51011866 chr7: 39393644 - 39396387 chr7: 62457999 - 62460749 chr7: 55363599 - 55366358 chr7: 56432157 - 56434907 chr1: 219029846 - 219032485	93.00 93.00 94.00 94.00 94.00 97.00	94.17	0
369	5q	147611	157214	9604	chr4: 120680507 - 120690578	95.28	95.28	0
370	5q	149130	157214	8085	chr7: 45402369 - 45414176	94.95	94.95	0
371	5q	149130	150883	1754	chr7: 56434997 - 56436149 chr1: 219032574 - 219033728 chr7: 62455575 - 62457909 chr7: 55366448 - 55368463 chr7: 39391514 - 39393554 chr7: 51011956 - 51014002	94.56 96.98 94.37 94.85 95.26 94.72	95.12	0
372	5q	151189	155937	4749	chr1: 224460233 - 224466670	94.41	94.41	0
373	5q	154639	162158	7520	1p: 151063 - 158591	98.78	98.78	0
374	5q	154639	158314	3676	1p: 147657 - 151331	98.91	98.91	0
375	5q	154642	155937	1296	chr7: 51020104 - 51021398	95.32	95.32	0
376	5q	154643	157207	2565	chr7: 55375429 - 55378281 chr7: 39386619 - 39389187 chr7: 56005902 - 56008476 chr1: 219039323 - 219041899 chr1: 220447184 - 220449711	96.40 95.18 96.06 95.95 97.75	96.27	0
377	5q	158046	189359	31314	chr1: 219039323 - 219078541 chr1: 239547046 - 239583712 chr4: 120688005 - 120724640	97.44 97.40 96.70	97.18	0
378	5q	158046	174974	16929	chr7: 56005902 - 56027313	93.1	93.1	0
379	5q	158093	160801	2709	chr7: 55375429 - 55383906 chr7: 56015725 - 56026447	93.85 90.67	92.26	0
380	5q	160422	189359	28938	chr10: 38735562 - 38764372 chr4: 119876270 - 119899413	97.16 97.58	97.37	0
381	5q	160425	186904	26480	chr1: 220455168 - 220481396	97.8	97.8	0
382	5q	160425	182182	21758	chr7: 39360178 - 39381110	92.94	92.94	0
383	5q	160425	177040	16616	chr7: 127645453 - 127661758	95.78	95.78	0
384	5q	160449	164697	4249	chr7: 45392682 - 45396890	96.05	96.05	0
385	5q	161794	167842	6049	chr11: 49997861 - 50003428 chr7: 62412186 - 62417768 chr7: 56475714 - 56481294 chr7: 51029490 - 51036010	90.62 91.30 91.30 93.07	91.57	0
386	5q	161924	164697	2774	chr7: 55385504 - 55388239	94.24	94.24	0
387	5q	164445	189359	24915	1p: 160844 - 185365	98.35	98.35	0
388	5q	164445	174106	9662	chr7: 65587537 - 65593232	91.45	91.45	0
389	5q	164445	167654	3210	chr7: 64516409 - 64519292	91.91	91.91	0
390	5q	168268	173807	5540	chr7: 64511343 - 64515807	90.86	90.86	0
391	5q	173730	189359	15630	9q: 16434 - 834 chr7: 45374387 - 45389874	98.07 96.33	97.2	0
392	5q	176293	177779	1487	chr7: 64507178 - 64508843	92.29	92.29	0
393	5q	176777	182238	5462	chr7: 56029594 - 56035175	92.96	92.96	0
394	5q	183119	184248	1130	chr7: 56036051 - 56037182	92.84	92.84	0
395	5q	184209	189359	5151	chr7: 127639839 - 127644996	95.62	95.62	0
396	5q	186770	188256	1487	chr7: 75222310 - 75223815 chr7: 65540948 - 65542445	93.75 93.81	93.78	0
397	5q	189665	204814	15150	chr9: 43466349 - 43481354	94.32	94.32	0
398	5q	189665	195466	5802	chr21: 13660344 - 13666335 chr18: 14857139 - 14863027	94.28 94.32	94.3	0
399	5q	191429	192460	1032	chr5: 177462676 - 177463723	90.73	90.73	1
400	5q	195065	204816	9752	chr21: 10119664 - 10128801	94.13	94.13	0
401	5q	239082	240163	1082	chr5: 108147435 - 108147689	91.33	91.33	1
402	5q	361545	363994	2450	chr13: 100054189 - 100087959	93.16	93.16	0
403	5q	473470	474634	1165	chr5: 180306440 - 180307608	98	98	1
404	5q	490760	495945	5186	chr15: 50626603 - 50636713	92.68	92.68	0
405	5q	491008	494245	3238	chr2: 31492818 - 31496144	91.05	91.05	0
406	5q	494980	496001	1022	chr2: 100583153 - 100584172	91	91	0
407	6p	1	58402	58402	15q: 116787 - 59048	98.13	98.13	0
408	6p	1	87328	87328	19p: 51596 - 143803	98.2	98.2	0

409	6p	16681	66233	49553	1p: 70481 - 120046	98.56	98.56	0
410	6p	16681	80537	63857	8p: 37604 - 103892	98.12	98.12	0
411	6p	17348	91429	74082	6q: 139658 - 72955	98.47	98.47	1
412	6p	17691	87325	69635	5q: 156343 - 80764 11p: 1 - 73516	98.19 98.37	98.28	0
413	6p	62132	91398	29267	20q: 50954 - 21027	98.1	98.1	0
414	6p	62134	86141	24008	chrY: 24761547 - 24791629 chrY: 25847059 - 25877147	95.68 95.68	95.68	0
415	6p	62241	87327	25087	chr1: 239518847 - 239548748 chr10: 38770686 - 38800933 7p: 2359 - 33495 chr4: 119905733 - 119936314 16q: 64320 - 32910	97.44 96.38 97.68 96.78 97.59	97.17	0
416	6p	62675	66233	3559	chr1: 220421937 - 220425497	97.56	97.56	0
417	6p	62675	77184	14510	chr4: 165542477 - 165556919	95.14	95.14	0
418	6p	62675	82522	19848	2q: 37420 - 17207	97.03	97.03	0
419	6p	66377	67555	1179	1p: 120190 - 121369	95.96	95.96	0
420	6p	66377	76979	10603	chr1: 220425641 - 220436743	96.65	96.65	0
421	6p	71131	76979	5849	1p: 124946 - 130821	97.35	97.35	0
422	6p	72297	74224	1928	chr1: 224457849 - 224459772	97.34	97.34	0
423	6p	72998	87328	14331	3q: 19226 - 1	98.04	98.04	0
424	6p	74610	86919	12310	chr1: 224460233 - 224480262	96.9	96.9	0
425	6p	78151	80082	1932	chr1: 193837523 - 193838976 chr7: 61805021 - 61807375	93.19 92.00	92.59	0
426	6p	78151	87325	9175	chr1: 220437912 - 220448841 chr7: 55985248 - 56007603 1p: 131997 - 145957	97.50 95.73 97.95	97.06	0
427	6p	78174	84906	6733	chr7: 45414266 - 45420987	95.66	95.66	0
428	6p	79475	83045	3571	chr7: 55422123 - 55425758	91.58	91.58	0
429	6p	82154	87323	5170	chr7: 127668095 - 127677946	96.56	96.56	0
430	6p	82173	84906	2734	chr7: 51009103 - 51011866 chr7: 39393644 - 39396387 chr7: 62457999 - 62460749 chr7: 55363599 - 55366358 chr7: 56432157 - 56434907 chr1: 219029845 - 219032485	93.00 93.24 94.00 94.00 95.00 97.00	94.37	0
431	6p	83477	87328	3852	chr4: 120680507 - 120689715	95.09	95.09	0
432	6p	84996	86400	1405	chr7: 62456760 - 62457909 chr7: 56434997 - 56436148 chr7: 51011956 - 51021398	94.14 94.29 94.51	94.31	0
433	6p	84996	87324	2329	chr7: 39387491 - 39393554 chr7: 55366448 - 55377459 chr7: 45403235 - 45414176 chr1: 219032574 - 219041033	95.63 95.17 95.47 96.80	95.77	0
434	6p	91477	93644	2168	21q: 19448 - 4338 10q: 20030 - 3829 1p: 281333 - 283465 16q: 104531 - 102637	93.37 91.83 92.33 93.28	92.7	0
435	6p	91611	105620	14010	1q: 28891 - 8975	93.62	93.62	0
436	6p	91699	94972	3274	chr2: 114079703 - 114096772 22q: 19698 - 2133 16q: 7769 - 4748 18p: 91144 - 94731 19q: 16715 - 13047 19p: 182231 - 185064 3q: 60982 - 57730 11p: 111977 - 115229 9q: 25525 - 22273 7p: 71845 - 75097 8p: 105117 - 107957	93.13 92.90 93.36 92.27 92.91 92.76 92.88 92.88 92.79 92.79 92.73	92.85	0
437	6p	91746	98867	7122	4q: 11634 - 5845 4p: 14202 - 22772 2p: 3251 - 10453	92.55 93.20 91.39	92.38	0
					5p: 2293 - 8075			

439	6p	114644	116863	2220	chr16: 32541387 - 32543099	92	92	0
440	6q	1	133275	133275	5q: 137868 - 5836	98.63	98.63	0
441	6q	1	33611	33611	17q: 43948 - 8545	98.2	98.2	0
442	6q	1	7193	7193	10q: 17677 - 8719 21q: 17747 - 8764 22q: 16000 - 7022 chr2: 114084500 - 114093488 19q: 13018 - 4044	94.99 94.73 94.55 94.53 95.02	94.76	0
443	6q	1	6375	6375	1q: 8975 - 1854 8p: 116423 - 123045	95.00 94.70	94.85	0
444	6q	1	1973	1973	chr3: 75756534 - 75760281	94.4	94.4	0
445	6q	1847	7194	5348	19p: 193598 - 199081 4p: 7719 - 14175	94.03 92.79	93.41	0
446	6q	4191	9611	5421	16q: 13032 - 1699	96.87	96.87	0
447	6q	4191	5868	1678	5p: 612 - 2291	94.7	94.7	0
448	6q	4559	7195	2637	4q: 5818 - 2771 18p: 88797 - 91117	92.20 93.29	92.75	0
449	6q	9260	128333	119074	1p: 1 - 122607	98.74	98.74	0
450	6q	34546	64494	29949	chrY: 25807359 - 25838662 chrY: 24800028 - 24831337	96.93 96.93	96.93	0
451	6q	34546	60422	25877	chr4: 119695468 - 119722680	97.52	97.52	0
452	6q	34546	37542	2997	chr1: 239479432 - 239482412	98.08	98.08	0
453	6q	34589	139657	105069	8p: 1 - 112857	98.55	98.55	0
454	6q	36178	37542	1365	chr1: 220383273 - 220384637	98.14	98.14	0
455	6q	38563	64494	25932	chr1: 220385665 - 220412991 chr1: 239483436 - 239510646	97.50 97.47	97.48	0
456	6q	54277	64494	10218	16q: 23961 - 13817	97.62	97.62	0
457	6q	56258	64494	8237	2q: 8258 - 107	97.67	97.67	0
458	6q	60426	64494	4069	chr4: 119944731 - 119948842	97.98	97.98	0
459	6q	72288	139658	67371	6p: 16681 - 91429	98.51	98.51	1
460	6q	72288	133275	60988	19p: 68278 - 124700	98.48	98.48	0
461	6q	72955	117939	44985	15q: 116787 - 75307	98.12	98.12	0
462	6q	73642	133275	59634	11p: 1 - 54766	98.61	98.61	0
463	6q	121665	139627	17963	20q: 50954 - 21029	97.27	97.27	0
464	6q	121883	133274	11392	chr1: 239518849 - 239530560 chr10: 38789362 - 38800932 chr4: 119924755 - 119936314 chrY: 25847059 - 25864666 chrY: 24774026 - 24791629 7p: 2360 - 13964 16q: 43956 - 32910 chr4: 165542477 - 165553415 chr1: 220421937 - 220433466 2q: 28270 - 17207	97.48 97.04 96.69 96.56 96.56 98.08 98.20 95.86 97.69 97.62	97.18	0
465	6q	130668	133267	2600	1p: 124946 - 127509	96.97	96.97	0
466	6q	131862	133275	1414	chr1: 224458366 - 224459772	97.14	97.14	0
467	6q	133279	137789	4511	8p: 130338 - 135407	97.54	97.54	0
468	6q	133279	134337	1059	1p: 241682 - 242735	98.36	98.36	0
469	6q	139446	146861	7416	10q: 14856 - 3829 22q: 13192 - 2133	92.36 91.57	91.97	0
470	6q	139446	145792	6347	5q: 7797 - 1037 17q: 12289 - 3110 21q: 12502 - 4338 19p: 189683 - 193721	92.54 94.37 92.50 92.12	92.88	0
471	6q	139446	141080	1635	chr2: 114079703 - 114081312	91.68	91.68	0
472	6q	140681	145794	5114	19q: 7793 - 639	91.94	91.94	0
473	6q	162238	164340	2103	chr12: 106789730 - 106791527	93.03	93.03	0
474	6q	162241	168430	6190	chr9: 113688734 - 113689483	92.62	92.62	0
475	7p	1	17376	17376	chr4: 165539585 - 165556842	95.92	95.92	0
476	7p	11	27604	27594	chrY: 24760333 - 24793975 chrY: 25844723 - 25878360	96.10 96.10	96.1	0
477	7p	91	1188	1098	chr1: 220419136 - 220420213	98.15	98.15	0
478	7p	91	22770	22680	2q: 37420 - 14408	97.49	97.49	0
479	7p	91	73743	73653	16q: 104535 - 30092	98.74	98.74	0

480	7p	223	34149	33927	20q: 46227 - 18783 chr4: 119904873 - 119938569 chr10: 38769816 - 38803195 chr1: 239517108 - 239549617	97.45 96.50 96.67 97.02	96.91	0
481	7p	2359	33495	31137	6p: 62133 - 87328	97.77	97.77	0
482	7p	2359	66000	63642	5q: 189359 - 126263	98.41	98.41	0
483	7p	2360	4799	2440	1p: 115941 - 118380	97.3	97.3	0
484	7p	2360	13959	11600	6q: 133270 - 121665	98.23	98.23	0
485	7p	2360	20796	18437	8p: 85490 - 103892	98.21	98.21	0
486	7p	2360	75076	72717	19p: 112806 - 185461	98.45	98.45	0
487	7p	2360	89945	87586	11p: 43183 - 128459	98.61	98.61	0
488	7p	2905	6467	3563	chr1: 220421937 - 220425497	98.09	98.09	0
489	7p	4882	6467	1586	1p: 118463 - 120046	99.15	99.15	0
490	7p	6611	9026	2416	1p: 120190 - 122607	98.33	98.33	0
491	7p	6611	26401	19791	chr1: 220425641 - 220445916	97.27	97.27	0
492	7p	11360	35468	24109	1p: 124946 - 147924	98.35	98.35	0
493	7p	12555	14503	1949	chr1: 224457827 - 224459772	97.82	97.82	0
494	7p	13255	102116	88862	3q: 87850 - 1	98.44	98.44	0
495	7p	14848	27604	12757	chr1: 224467506 - 224480262	96.38	96.38	0
496	7p	18424	27307	8884	chr7: 55985248 - 55994150	94.61	94.61	1
497	7p	18427	20413	1987	chr7: 61805021 - 61806480 chr1: 193837523 - 193839718 chr7: 55420846 - 55423090	92.11 92.86 92.63	92.53	1
498	7p	18447	25154	6708	chr7: 45414266 - 45420987	94.63	94.63	1
499	7p	22443	25154	2712	chr7: 56432166 - 56434907 chr7: 62457999 - 62460740 chr7: 51009141 - 51011866 chr7: 39393644 - 39396354 chr7: 55363641 - 55366358 chr1: 219029846 - 219032485	94.00 94.00 93.00 93.76 94.00 97.00	94.29	1
500	7p	22444	34368	11925	chr7: 127667226 - 127677904	96.27	96.27	1
501	7p	23725	34368	10644	chr4: 120680507 - 120690578	94.44	94.44	0
502	7p	25244	34368	9125	chr7: 45402369 - 45414176	94.38	94.38	1
503	7p	25245	27003	1759	chr7: 56434997 - 56436149 chr1: 219032574 - 219033728 chr7: 62455575 - 62457909 chr7: 51011956 - 51014002 chr7: 39391514 - 39393554 chr7: 55366459 - 55368463	94.28 96.70 94.13 94.60 95.13 94.73	94.93	1
504	7p	27309	33084	5776	chr1: 224460233 - 224466670	94.16	94.16	0
505	7p	31783	35468	3686	1p: 147657 - 151331	97.15	97.15	0
506	7p	31783	39251	7469	1p: 151063 - 158530	98.42	98.42	0
507	7p	31786	33084	1299	chr7: 51020104 - 51021398	95.16	95.16	1
508	7p	31787	34361	2575	chr7: 55375429 - 55378283 chr7: 56005902 - 56008476 chr7: 39386619 - 39389187 chr1: 219039323 - 219041899 chr1: 220447184 - 220449711	95.35 95.07 94.37 95.26 96.43	95.3	1
509	7p	35200	37796	2597	chr7: 55375429 - 55383896	93.93	93.93	1
510	7p	35200	45231	10032	chr7: 56005902 - 56021808	92.74	92.74	1
511	7p	35200	69447	34248	chr1: 219039323 - 219081989	97.25	97.25	0
512	7p	35200	71832	36633	chr4: 120688005 - 120730560 chr1: 239547046 - 239589627	96.34 97.45	96.9	0
513	7p	37576	71832	34257	chr10: 38729667 - 38764372 chr4: 119870679 - 119899413	97.00 97.37	97.19	0
514	7p	37579	53708	16130	chr7: 127645453 - 127661758	95.91	95.91	1
515	7p	37579	58830	21252	chr7: 39360178 - 39381110	92.86	92.86	1
516	7p	37579	63550	25972	chr1: 220455168 - 220481396	97.68	97.68	0
517	7p	37603	41850	4248	chr7: 45392682 - 45396890	95.99	95.99	1
518	7p	38948	41850	2903	chr7: 55385064 - 55388239	92.96	92.96	1
519	7p	38950	45231	6282	chr7: 51029490 - 51036010	92.76	92.76	1
520	7p	40374	44471	4098	chr11: 49999260 - 50003428 chr7: 56477111 - 56481294 chr7: 62412186 - 62416373	90.94 92.19 92.19	91.77	1

521	7p	41598	44473	2876	chr7: 64516409 - 64519292	91.46	91.46	1
522	7p	41598	71832	30235	1p: 160844 - 191186	98.24	98.24	0
523	7p	44629	50776	6148	chr7: 65587537 - 65590704 chr7: 64511343 - 64515807	91.48 91.43	91.46	1
524	7p	50174	102116	51943	9q: 51440 - 600	98.72	98.72	0
525	7p	50407	51792	1386	chr7: 56025929 - 56027313	93.19	93.19	1
526	7p	50414	71832	21419	chr7: 45368447 - 45390152	96.35	96.35	1
527	7p	52961	54425	1465	chr7: 64507178 - 64508843	91.9	91.9	1
528	7p	53445	58886	5442	chr7: 56029594 - 56035175	92.82	92.82	1
529	7p	59768	60894	1127	chr7: 56036051 - 56037182	92.33	92.33	1
530	7p	60855	69447	8593	chr7: 127636388 - 127644996	95.48	95.48	1
531	7p	63416	64900	1485	chr7: 75222310 - 75223815 chr7: 65540950 - 65542445	92.00 93.70	92.85	1
532	7p	65825	71832	6008	chr11: 50209890 - 50211062	90	90	0
533	7p	66399	67757	1359	chr7: 63774859 - 63776243 chr7: 64469009 - 64470133	90.56 90.16	90.36	1
534	7p	68043	71832	3790	chr1: 220481705 - 220485566	97.16	97.16	0
535	7p	71800	74951	3152	8p: 104622 - 108356 16q: 7774 - 5156 10q: 21274 - 18113 1q: 12159 - 9311 6p: 91944 - 95168 18p: 91554 - 95132 19q: 16701 - 13461 22q: 19684 - 16443 4p: 14618 - 17140 4q: 8783 - 6261 chr2: 114093933 - 114097169	97.24 95.38 93.71 93.28 92.94 94.44 96.73 96.98 94.05 94.27 96.79	95.07	0
536	7p	71846	73336	1491	1p: 281741 - 283465 21q: 19448 - 18188	96.14 95.69	95.91	0
537	7p	73396	75083	1688	2p: 4878 - 6570	92.18	92.18	0
538	7p	74366	101860	27495	16q: 131367 - 105158	98.15	98.15	0
539	7p	78903	88088	9186	17p: 727 - 18220	97.62	97.62	0
540	7p	130045	141501	11457	3q: 99280 - 87850	97.81	97.81	0
541	7p	130045	141501	11457	9q: 62988 - 51440	97.81	97.81	0
542	7q	100663	102918	2256	chr1: 148027673 - 148035069	90.78	90.78	0
543	8p	1	25799	25799	chr4: 119695468 - 119722637	97.49	97.49	0
544	8p	1	29862	29862	chr1: 239479475 - 239510646 chrY: 25807402 - 25838662 chrY: 24800028 - 24831294	97.48 96.80 96.79	97.02	0
545	8p	1	87928	87928	1p: 26996 - 118380	98.82	98.82	0
546	8p	1	103892	103892	5q: 144676 - 42464	98.75	98.75	0
547	8p	1	112857	112857	6q: 139657 - 34589	98.49	98.49	0
548	8p	1591	29862	28272	chr1: 220383273 - 220412991	97.47	97.47	0
549	8p	19652	29862	10211	16q: 23961 - 13817	97.45	97.45	0
550	8p	21631	29862	8232	2q: 8258 - 107	97.6	97.6	0
551	8p	25803	29862	4060	chr4: 119944731 - 119948842	97.74	97.74	0
552	8p	37604	103892	66289	19p: 68278 - 131513 6p: 16681 - 80537	98.33 98.00	98.16	0
553	8p	38266	81761	43496	15q: 116787 - 75307	98.02	98.02	0
554	8p	38953	103892	64940	11p: 1 - 61585	98.27	98.27	0
555	8p	85490	112827	27338	20q: 50954 - 21029	97.06	97.06	0
556	8p	85626	103892	18267	chr1: 239518849 - 239537377 7p: 2360 - 20796 chr4: 119917953 - 119936314 chr10: 38782531 - 38800932 chrY: 25847059 - 25871516 chrY: 24767177 - 24791629 2q: 35177 - 17207 16q: 50788 - 32910	96.96 98.07 96.82 96.80 96.28 96.27 97.05 97.70	96.99	0
557	8p	86034	89594	3561	chr1: 220421937 - 220425497	98.29	98.29	0
558	8p	86034	100468	14435	chr4: 165542477 - 165556842	95.67	95.67	0
559	8p	88011	89594	1584	1p: 118463 - 120046	97.94	97.94	0
560	8p	89738	92145	2408	1p: 120190 - 122607	97.61	97.61	0
561	8p	89738	103892	14155	chr1: 220425641 - 220440302	96.94	96.94	0

562	8p	94484	103892	9409	1p: 124946 - 134371	98.04	98.04	0
563	8p	95651	97588	1938	chr1: 224457839 - 224459772	97.34	97.34	0
564	8p	96353	103892	7540	3q: 7525 - 1	98.57	98.57	0
565	8p	97943	103892	5950	chr1: 224474330 - 224480262	96.92	96.92	0
566	8p	101522	103681	2160	chr7: 61805021 - 61806480 chr1: 193837523 - 193839718 chr7: 55985248 - 55987635 chr7: 55420846 - 55423188 chr7: 45418635 - 45420987	92.11 92.26 95.95 92.48 96.53	93.87	0
567	8p	104622	123046	18425	19p: 181737 - 198474	96.66	96.66	0
568	8p	104976	108216	3241	11p: 111483 - 115213 7p: 71351 - 75083 9q: 25511 - 21779 3q: 60968 - 57236 16q: 105875 - 102143 16q: 7774 - 5157 1q: 12159 - 9312 10q: 21274 - 18114 6p: 91945 - 94769 19q: 16701 - 13462 18p: 91555 - 95132 22q: 19684 - 16444 chr2: 114093933 - 114097169 4p: 14618 - 17140 4q: 8783 - 6261 2p: 3251 - 6171	97.26 97.29 97.29 97.26 97.40 95.03 93.21 93.41 92.74 96.97 94.27 96.76 96.87 92.86 93.06 91.79	95.22	0
569	8p	105117	106609	1493	1p: 281742 - 283465 21q: 19448 - 18188	96.19 95.42	95.81	0
570	8p	112649	123045	10397	5q: 12435 - 1040 17q: 16920 - 3113 21q: 17129 - 4341 chr2: 114079706 - 114092879 10q: 17073 - 3832 22q: 15407 - 2136	94.62 94.35 93.68 93.57 93.63 93.46	93.88	0
571	8p	113859	123046	9188	19q: 12422 - 639	93.73	93.73	0
572	8p	116378	122805	6428	1q: 8975 - 1764 6q: 6609 - 1	93.17 93.91	93.54	0
573	8p	120762	123146	2385	16q: 4133 - 1693 5p: 611 - 2409 4p: 11143 - 13573 4q: 5216 - 2781 18p: 88797 - 90510	93.21 95.15 91.10 91.47 93.94	92.97	0
574	8p	130338	135407	5070	6q: 137789 - 133279	97.71	97.71	0
575	8p	134360	139412	5053	1p: 237672 - 242735	98.07	98.07	0
576	8p	194471	231807	37337	1p: 245037 - 280290	97.26	97.26	0
577	8p	279211	281570	2360	1p: 231380 - 233742	97.7	97.7	0
578	8p	290588	307129	16542	2q: 91777 - 72438	96.56	96.56	0
579	8p	307013	339694	32682	2q: 71986 - 37438	96	96	0
580	8p	329082	353117	24036	1p: 205679 - 229635	96.36	96.36	0
581	8p	329082	353122	24041	chr1: 220511009 - 220534939	96.07	96.07	0
582	8q	79741	83765	4025	chr14: 74667926 - 74713049	93.22	93.22	0
583	8q	286728	288864	2137	chr3: 144028602 - 144029269 chr3: 175577873 - 175578523	93.25 91.93	92.59	0
584	8q	287142	288272	1131	chr21: 30557745 - 30558070	91.96	91.96	0
585	9p	1894	9953	8060	Xq: 10579 - 2524 16p: 1462 - 9529 Yq: 10579 - 2524	98.23 98.08 98.23	98.18	0
586	9p	1894	27840	25947	15q: 28282 - 2004	98.32	98.32	0
587	9p	1901	80815	78915	chr2: 113998296 - 114074366	98.07	98.07	0
588	9p	8506	27840	19335	19p: 1 - 19667	98.82	98.82	0
589	9p	23892	37630	13739	12p: 1705 - 15778	97.01	97.01	0
590	9p	41356	61444	20089	chr9: 67170612 - 67190611	97.67	97.67	1
591	9p	41356	63095	21740	chr9: 66932464 - 66954161	97.66	97.66	1
592	9p	41356	80815	39460	chr9: 68181420 - 68220146	97.34	97.34	1
593	9p	61591	63095	1505	chr9: 67190615 - 67192109	97.7	97.7	1

594	9p	63335	64473	1139	chr9: 67192374 - 67193524 chr9: 66954430 - 66955594	94.42 93.81	94.12	1
595	9p	64523	81099	16577	chr9: 67193574 - 67209106	97.45	97.45	1
596	9p	64523	88614	24092	chr9: 66955644 - 66978778	97.43	97.43	1
597	9p	80698	193743	113046	chr2: 113886167 - 113998262	97.86	97.86	0
598	9p	80699	190123	109425	chr9: 68061572 - 68181380	97.14	97.14	1
599	9p	82372	88610	6239	chr9: 67210389 - 67216665	97.79	97.79	1
600	9p	85947	92929	6983	chr11: 43103310 - 43113360	91.93	91.93	0
601	9p	89455	92929	3475	chr9: 66979634 - 66982999	97.72	97.72	1
602	9p	90396	103518	13123	chr9: 67218352 - 67241667	96.16	96.16	1
603	9p	106558	147516	40959	chr9: 67931971 - 67973226	97.34	97.34	1
604	9p	147662	185398	37737	chr9: 67973370 - 68011244	97.04	97.04	1
605	9p	191457	193743	2287	chr9: 66892011 - 66894295	97	97	1
606	9p	191457	193743	2287	chr9: 67131003 - 67133287	97.37	97.37	1
607	9q	600	51440	50841	7p: 50174 - 102116	98.72	98.72	0
608	9q	833	2218	1386	chr7: 56025929 - 56027313	92.79	92.79	0
609	9q	834	88449	87616	3q: 119439 - 36117	97.77	97.77	0
610	9q	834	39467	38634	11p: 90403 - 128459	98.32	98.32	0
611	9q	834	25504	24671	19p: 160708 - 185461	98.31	98.31	0
612	9q	834	24171	23338	16q: 104535 - 81201	98.96	98.96	0
613	9q	834	16434	15601	5q: 189359 - 173588	98.03	98.03	0
614	9q	839	22260	21422	1p: 169656 - 191186 chr10: 38729667 - 38751317 chr4: 119870679 - 119886584 chr4: 120708845 - 120730560 chr1: 239567905 - 239589627 chr7: 45368447 - 45390152	98.28 97.05 97.43 96.42 97.50 96.43	97.19	0
615	9q	840	19881	19042	chr1: 219062780 - 219081989	97.31	97.31	0
616	9q	840	13985	13146	chr1: 220467995 - 220481396	97.8	97.8	0
617	9q	840	4134	3295	chr7: 127645453 - 127648924	96.06	96.06	0
618	9q	870	9260	8391	chr7: 39360178 - 39369360	92.67	92.67	0
619	9q	3387	4855	1469	chr7: 64507178 - 64508843	92.18	92.18	0
620	9q	3871	9316	5446	chr7: 56029594 - 56035175	92.94	92.94	0
621	9q	5090	6480	1391	chr7: 65561411 - 65562799	90.72	90.72	0
622	9q	10199	11325	1127	chr7: 56036051 - 56037182	92.85	92.85	0
623	9q	11286	19881	8596	chr7: 127636388 - 127644996	95.54	95.54	0
624	9q	13851	15335	1485	chr7: 75222310 - 75223815 chr7: 65540950 - 65542445	92.31 94.03	93.17	0
625	9q	16259	22260	6002	chr11: 50209890 - 50211062	90	90	0
626	9q	16833	18191	1359	chr7: 63774859 - 63776243 chr7: 64469009 - 64470133	90.56 90.32	90.44	0
627	9q	18477	22260	3784	chr1: 220481705 - 220485566	97.22	97.22	0
628	9q	22230	25379	3150	8p: 104641 - 108356 16q: 7774 - 5156 10q: 21274 - 18113 1q: 12159 - 9311 6p: 91944 - 95168 18p: 91554 - 95132 22q: 19684 - 16443 19q: 16701 - 13461 chr2: 114093933 - 114097169 4q: 8783 - 6261 4p: 14618 - 17140	97.23 95.15 93.87 93.28 92.94 94.44 96.98 96.73 96.79 94.27 94.05	95.07	0
629	9q	22274	23764	1491	1p: 281741 - 283465 21q: 19448 - 18188	96.14 95.69	95.91	0
630	9q	23824	25511	1688	2p: 4878 - 6570	92.18	92.18	0
631	9q	24794	51184	26391	16q: 131367 - 105158	98.25	98.25	0
632	9q	29318	37610	8293	17p: 727 - 18220	97.63	97.63	0
633	9q	51440	62988	11549	7p: 130045 - 141501	97.95	97.95	0
634	9q	63045	124136	61092	10p: 10952 - 74445	94.32	94.32	0
635	9q	63045	108804	45760	18p: 15346 - 63444	95.07	95.07	0
636	9q	63059	88449	25391	chr12: 34168581 - 34211062	91.23	91.23	0
637	9q	64550	88437	23888	chrY: 18042510 - 18076998	91.08	91.08	0
638	9q	64550	70669	6120	chrY: 18957030 - 18963521	91.28	91.28	0

639	9q	65244	83002	17759	1p: 286972 - 301429	93.79	93.79	0
640	9q	69973	71163	1191	chrY: 10567257 - 10568441	92.43	92.43	0
641	9q	77401	83002	5602	4q: 126874 - 121031	93.56	93.56	0
642	9q	78086	80030	1945	chrY: 18940700 - 18942639	91.28	91.28	0
643	9q	81025	88447	7423	16q: 138855 - 131467 chr12: 36865089 - 36876160	95.54 91.04	93.29	0
644	9q	83210	87892	4683	4q: 121040 - 109513 chr1: 223993648 - 224001019	93.15 91.02	92.09	0
645	9q	86916	88448	1533	chrY: 10552604 - 10554424 chr3: 75834770 - 75835986	92.56 90.76	91.66	0
646	9q	108847	133085	24239	18p: 63487 - 87912	97.5	97.5	0
647	9q	113409	129597	16189	16p: 17959 - 37573	91.9	91.9	0
648	9q	113409	123870	10462	Yq: 29837 - 19014 Xq: 29837 - 19014	92.79 92.79	92.79	0
649	10p	1	13334	13334	chr1: 224017101 - 224033315	90.94	90.94	0
650	10p	1	39687	39687	chr12: 34147628 - 34211062	90.9	90.9	0
651	10p	1	59732	59732	18p: 4415 - 63117	97.6	97.6	0
652	10p	28	3077	3050	chr2: 132394730 - 132398023 chr22: 14844180 - 14847482 chr14: 18424456 - 18427756 1p: 284205 - 286519	94.87 94.25 94.25 93.81	94.3	0
653	10p	10584	18600	8017	chrY: 18957030 - 18965446	90.75	90.75	0
654	10p	10768	39371	28604	chrY: 18040585 - 18076372 3q: 119439 - 99337	90.58 95.08	92.83	0
655	10p	10952	74445	63494	9q: 124136 - 63045	94.26	94.26	0
656	10p	13173	19094	5922	chrY: 10567257 - 10573176	91.41	91.41	0
657	10p	13173	34283	21111	1p: 286972 - 301421	93.58	93.58	0
658	10p	29169	34592	5424	4q: 126874 - 121031 chrY: 18937298 - 18942639	93.29 90.00	91.65	0
659	10p	32563	39685	7123	16q: 138855 - 131398 chr12: 36865089 - 36875578	95.18 92.08	93.63	0
660	10p	33046	34901	1856	chr1: 223987482 - 223989310	91.19	91.19	0
661	10p	34674	39316	4643	4q: 121040 - 109513 chr1: 223993648 - 224001050 chrY: 10552604 - 10561454	92.52 92.00 91.79	92.1	0
662	10p	60126	74443	14318	18p: 63527 - 79293	93.08	93.08	0
663	10p	64762	74460	9699	16p: 17959 - 29051 Xq: 30139 - 19014	92.01 92.24	92.12	0
664	10p	64762	74476	9715	Yq: 30139 - 19014	92.24	92.24	0
665	10q	3829	21689	17861	chr2: 114079703 - 114097183	96.02	96.02	0
666	10q	3829	5438	1610	6q: 141080 - 139446	92.03	92.03	0
667	10q	3830	17532	13703	19p: 189683 - 199397 8p: 112649 - 123046	96.02 93.54	94.78	0
668	10q	5039	21689	16651	19q: 16715 - 639 22q: 19698 - 3342	96.10 95.79	95.94	0
669	10q	5039	19372	14334	21q: 19448 - 5548	96.59	96.59	0
670	10q	5039	17677	12639	17q: 17504 - 4319 5q: 13019 - 2247	94.93 95.77	95.35	0
671	10q	8629	21274	12646	1q: 12159 - 1764	93.97	93.97	0
672	10q	8629	12450	3822	chr3: 75756447 - 75760281	93.7	93.7	0
673	10q	8719	17677	8959	6q: 7193 - 1	94.94	94.94	0
674	10q	12304	21689	9386	4p: 7699 - 17154	91.42	91.42	0
675	10q	14669	21689	7021	5p: 617 - 2421	93.28	93.28	0
676	10q	14670	20034	5365	16q: 7077 - 1705	93.33	93.33	0
677	10q	14674	46814	32141	4q: 36107 - 2781	97.36	97.36	0
678	10q	15394	26302	10909	18p: 88797 - 102436	95.86	95.86	0
					2p: 3280 - 4793			

680	10q	18113	21273	3161	19p: 182231 - 185062 7p: 71845 - 74683 3q: 60572 - 57730 9q: 25111 - 22273 16q: 105475 - 102637 11p: 111977 - 114819 8p: 105117 - 107957	94.11 94.10 93.98 94.26 94.26 93.98 93.86	94.08	0
681	10q	19907	21274	1368	2p: 5103 - 6171	92.86	92.86	0
682	10q	26091	46139	20049	4q: 38723 - 18742	98.93	98.93	0
683	10q	26091	42829	16739	4q: 38723 - 22035	98.94	98.94	0
684	10q	26091	40278	14188	4q: 39488 - 25335	98.83	98.83	0
685	10q	26091	37163	11073	4q: 39682 - 28629	98.84	98.84	0
686	10q	26091	33868	7778	4q: 39686 - 31922	98.75	98.75	0
687	10q	26091	30558	4468	4q: 39686 - 35215	98.61	98.61	0
688	10q	26091	27259	1169	4q: 39686 - 38512	98.29	98.29	0
689	10q	29390	46814	17425	4q: 32814 - 15442	98.91	98.91	0
690	10q	32700	46814	14115	4q: 29521 - 15442	98.87	98.87	0
691	10q	33086	34151	1066	chr3: 75800797 - 75801859 4q: 83327 - 82274	91.00 98.00	94.5	0
692	10q	35999	46814	10816	4q: 26221 - 15442	98.94	98.94	0
693	10q	39308	46814	7507	4q: 22927 - 15442	98.85	98.85	0
694	10q	42618	46814	4197	4q: 19634 - 15442	98.66	98.66	0
695	10q	43004	44069	1066	chr3: 75800797 - 75801859 4q: 83327 - 82274	91.00 98.00	94.5	0
696	10q	46814	88677	41864	4q: 81906 - 39686	98.55	98.55	0
697	10q	48653	57770	9118	chrY: 18829808 - 18838126 chrY: 18167906 - 18176224	90.00 90.00	90	0
698	10q	50662	88610	37949	chr3: 75761698 - 75800337	95.44	95.44	0
699	10q	51576	56678	5103	chr12: 36756559 - 36761457	90.76	90.76	0
700	10q	74008	86451	12444	chr16: 34561514 - 34569480	90	90	0
701	10q	96865	98332	1468	chr5: 169326378 - 169329979	91.62	91.62	0
702	10q	469322	470901	1580	chr13: 83378198 - 83379391	91.44	91.44	0
703	10q	470021	473387	3367	chr8: 33697501 - 33698875	91.35	91.35	0
704	10q	470172	471273	1102	chrX: 26335756 - 26336472	92	92	0
705	11p	1	39454	39454	15q: 116787 - 75995	98.17	98.17	0
706	11p	1	47285	47285	1p: 71832 - 120046	98.62	98.62	0
707	11p	1	54766	54766	6q: 133275 - 73642	98.62	98.62	0
708	11p	1	61585	61585	8p: 38953 - 103892	98.36	98.36	0
709	11p	1	73516	73516	6p: 18035 - 87328	98.33	98.33	0
710	11p	1	90919	90919	5q: 174104 - 81451	98.6	98.6	0
711	11p	1	115208	115208	19p: 69632 - 185461	98.61	98.61	0
712	11p	43183	68406	25224	chrY: 24760333 - 24791629 chrY: 25847059 - 25878360	96.11 96.12	96.12	0
713	11p	43183	74176	30994	20q: 46227 - 21029 chr10: 38769816 - 38800932 chr4: 119904873 - 119936314 chr1: 239518849 - 239549617	97.66 96.56 96.67 97.15	97.01	0
714	11p	43183	125961	82779	7p: 2360 - 88088	98.7	98.7	0
715	11p	43725	47285	3561	chr1: 220421937 - 220425497	97.8	97.8	0
716	11p	43725	57778	14054	chr4: 165542477 - 165556462	95.7	95.7	0
717	11p	43725	63564	19840	2q: 37420 - 17207	97.38	97.38	0
718	11p	43725	90919	47195	16q: 81717 - 32910	98.28	98.28	0
719	11p	47429	48608	1180	1p: 120190 - 121369	98.33	98.33	0
720	11p	47429	67203	19775	chr1: 220425641 - 220445916	97.25	97.25	0
721	11p	52220	75496	23277	1p: 124981 - 147924	98.57	98.57	0
722	11p	53357	55279	1923	chr1: 224457849 - 224459772	96.91	96.91	0
723	11p	54057	90919	36863	3q: 36633 - 1	98.84	98.84	0
724	11p	55651	68406	12756	chr1: 224467506 - 224480247	96.85	96.85	0
725	11p	59210	68109	8900	chr7: 55985248 - 55994150	94.76	94.76	0
726	11p	59213	61532	2320	chr1: 193837523 - 193839718 chr7: 61805021 - 61807375 chr7: 55420846 - 55423188	92.86 91.53 93.06	92.48	0
727	11p	59233	65948	6716	chr7: 45414266 - 45420987	95	95	0
728	11p	63196	74396	11201	chr7: 127667226 - 127677946	96.5	96.5	0

729	11p	63215	65948	2734	chr7: 51009103 - 51011866 chr7: 39393644 - 39396387 chr7: 62457999 - 62460749 chr7: 55363599 - 55366358 chr7: 56432157 - 56434907 chr1: 219029846 - 219032485	93.00 93.00 94.00 94.00 94.00 97.00	94.17	0
730	11p	64519	74396	9878	chr4: 120680507 - 120690578 chr1: 219032574 - 219033728	95.34 96.69	95.34	0
731	11p	66038	67805	1768	chr7: 56434997 - 56436149 chr7: 62455575 - 62457909 chr7: 55366448 - 55368463 chr7: 39391514 - 39393554 chr7: 51011956 - 51014002	94.28 94.37 94.45 95.13 94.85	94.96	0
732	11p	66038	74396	8359	chr7: 45402369 - 45414176	94.75	94.75	0
733	11p	68111	73105	4995	chr1: 224460233 - 224466670	94.16	94.16	0
734	11p	71805	75496	3692	1p: 147657 - 151331	97.75	97.75	0
735	11p	71805	79340	7536	1p: 151063 - 158591	98.6	98.6	0
736	11p	71808	73105	1298	chr7: 51020104 - 51021398	95.17	95.17	0
737	11p	71809	74389	2581	chr7: 55375429 - 55378283 chr1: 219039323 - 219041899 chr7: 39386619 - 39389187 chr7: 56005902 - 56008476 chr1: 220447184 - 220449711	96.28 96.21 95.33 96.03 97.32	96.23	0
738	11p	75228	91791	16564	chr7: 56005902 - 56027313	92.81	92.81	0
739	11p	75228	111964	36737	chr4: 120688005 - 120730560	96.42	96.42	0
740	11p	75259	77944	2686	chr1: 239547046 - 239555313 chr1: 219039323 - 219047615 chr7: 56015725 - 56026447	98.00 97.50 90.25	95.25	0
741	11p	77607	103679	26073	chr1: 220455168 - 220481396	97.7	97.7	0
742	11p	77609	85222	7614	chr7: 51028105 - 51036010	92.24	92.24	0
743	11p	77631	81842	4212	chr7: 45392682 - 45396890	96.21	96.21	0
744	11p	77787	90919	13133	chr10: 38750807 - 38764372 chr4: 119886074 - 119899413 chr7: 39368881 - 39380748 chr7: 127648414 - 127661395	97.22 97.89 93.47 95.80	96.09	0
745	11p	77970	109571	31602	chr1: 219047720 - 219081989	97.14	97.14	0
746	11p	77970	111964	33995	chr1: 239555446 - 239589627	97.21	97.21	0
747	11p	78976	81842	2867	chr7: 55385064 - 55388239	93.7	93.7	0
748	11p	78976	84462	5487	chr11: 49997861 - 50003428 chr7: 62412186 - 62417768 chr7: 56475714 - 56481294	90.62 91.43 91.43	91.16	1
749	11p	81590	84464	2875	chr7: 64516409 - 64519292	91.91	91.91	0
750	11p	81590	90614	9025	chr7: 65587844 - 65593232	91.11	91.11	0
751	11p	81590	111964	30375	1p: 160844 - 191186	98.33	98.33	0
752	11p	85078	90622	5545	chr7: 64511343 - 64515807	91.43	91.43	0
753	11p	90763	111964	21202	chr7: 45368447 - 45390152 chr10: 38729667 - 38750786 chr4: 119870679 - 119886048	96.20 96.94 97.35	96.83	0
754	11p	90941	93849	2909	chr7: 127645453 - 127648385	96.44	96.44	0
755	11p	90941	98964	8024	chr7: 39360178 - 39368857	92.71	92.71	0
756	11p	90941	106130	15190	5q: 189359 - 174125	98.11	98.11	0
757	11p	90941	125961	35021	9q: 37610 - 1370 3q: 73851 - 36653 16q: 117597 - 81737	98.29 98.54 98.30	98.38	0
758	11p	93102	94582	1481	chr7: 64507178 - 64508843	92.35	92.35	0
759	11p	93586	99020	5435	chr7: 56029594 - 56035175	92.59	92.59	0
760	11p	99886	101019	1134	chr7: 56036051 - 56037182	92.73	92.73	0
761	11p	100980	109571	8592	chr7: 127636388 - 127644996	95.35	95.35	0
762	11p	103545	105029	1485	chr7: 75222310 - 75223815 chr7: 65540950 - 65542445	92.68 94.03	93.36	0
763	11p	105959	111964	6006	chr11: 50209890 - 50211058	90	90	1
764	11p	106526	107887	1362	chr7: 63774859 - 63776250 chr7: 64469009 - 64470133	90.56 90.16	90.36	0
765	11p	108173	111964	3792	chr1: 220481705 - 220485566	97.26	97.26	0

766	11p	111928	115175	3248	8p: 104622 - 108356 10q: 21274 - 18113 6p: 91944 - 95168 22q: 19684 - 16443 18p: 91554 - 95132 1q: 12559 - 9311 19q: 16701 - 13461 4q: 8783 - 6261 4p: 14618 - 17140 chr2: 114093933 - 114097169	97.39 93.85 92.86 97.31 94.40 92.80 97.01 94.16 94.01 96.95	95.07	0
767	11p	111977	113607	1631	1p: 281741 - 283465 16q: 7077 - 5156 21q: 19448 - 18188	96.57 95.38 96.13	96.03	0
768	11p	113532	115215	1684	2p: 4878 - 6570	92.1	92.1	0
769	11p	119534	136823	17290	17p: 727 - 29146	98.45	98.45	0
770	11p	259549	260712	1164	chr7: 55790049 - 55790646 chr6: 29824853 - 29825369 chr12: 31790478 - 31791125	92.39 90.46 93.66	92.17	0
771	11p	259554	260747	1194	chr4: 66787231 - 66787846	93.71	93.71	0
772	11q	85593	89518	3926	chr18: 14893727 - 14897656	94.11	94.11	0
773	11q	89697	138789	49093	chr18: 14925562 - 14971183	94.46	94.46	0
774	12p	1705	5645	3941	19p: 15718 - 19667 15q: 28282 - 24333	96.76 96.76	96.76	0
775	12p	1705	15597	13893	chr2: 114039589 - 114052071 9p: 23892 - 37630	97.04 97.02	97.03	0
776	12p	27892	42389	14498	20q: 18388 - 3777	97.74	97.74	0
777	12q	455241	456964	1724	20q: 444018 - 442754	90	90	0
778	13q	1374	15153	13780	2p: 2614 - 23214	91.57	91.57	0
779	13q	1375	10045	8671	4p: 7699 - 26903	91.55	91.55	0
780	13q	1401	4251	2851	1q: 13812 - 4693	92.14	92.14	0
781	13q	1734	5935	4202	6p: 94216 - 98867	91.25	91.25	0
782	13q	2102	7373	5272	4q: 13063 - 8663	92.33	92.33	0
783	13q	2108	11739	9632	5p: 2293 - 14897	91.38	91.38	0
784	13q	38599	62471	23873	chr17: 16579782 - 16581890 chr17: 20209730 - 20211830	98.47 98.11	98.29	0
785	13q	38603	57887	19285	chr9: 99835472 - 99837034	92.41	92.41	0
786	14q	1555	5024	3470	chr16: 33518166 - 33520701	90.22	90.22	0
787	14q	5215	6605	1391	chr14: 105712752 - 105714137	90	90	1
788	14q	17998	19246	1249	chr1: 57461707 - 57462952	98.1	98.1	0
789	14q	68172	73035	4864	chr16: 33526959 - 33531826	94.72	94.72	0
790	14q	89584	90661	1078	chr14: 105816615 - 105817683	90.14	90.14	1
791	14q	89938	106193	16256	chr16: 33560842 - 33561564	91.65	91.65	0
792	14q	102384	104211	1828	chr14: 105798183 - 105800773	90	90	1
793	14q	104829	106216	1388	chr14: 105785334 - 105786719	93.18	93.18	1
794	14q	150416	152240	1825	chr14: 105705643 - 105707206 chr21: 9882604 - 9884598	92.70 91.58	92.14	1
795	14q	151099	152955	1857	chr15: 18429899 - 18431719	90.73	90.73	0
796	14q	157413	158664	1252	chr16: 33504106 - 33505367	91	91	0
797	14q	171502	173031	1530	chr16: 31958693 - 31960767 chr16: 33563258 - 33565002 chr16: 31865447 - 31869175	91.64 91.00 91.48	91.32	0
798	14q	213296	217065	3770	chr16: 32806991 - 32810721 chr16: 33661812 - 33665517	91.38 91.25	91.37	0
799	14q	213296	214704	1409	chr14: 105698396 - 105699947	91.58	91.58	1
800	14q	214297	217071	2775	chr16: 33518087 - 33520687	90.26	90.26	0
801	14q	221649	223489	1841	chr15: 18438331 - 18440159 chr14: 105712888 - 105714706	90.00 90.00	90	1
802	14q	239773	242810	3038	chr16: 33504106 - 33506584	90.52	90.52	0
803	14q	290757	292740	1984	chr16: 33496390 - 33498689	91.49	91.49	0
804	14q	295187	296429	1243	chr14: 105588909 - 105590457 chr14: 105762490 - 105763545 chr16: 32920104 - 32921368 chr16: 33545878 - 33547142 chr16: 31977088 - 31978106	91.47 92.34 90.95 90.47 90.35	91.12	1

805	14q	317376	319579	2204	chr16: 31965067 - 31967475 chr16: 33556533 - 33558953 chr14: 105652797 - 105655235 chr16: 32908522 - 32910710	90.58 90.11 92.91 91.00	91.15	1
806	14q	322259	324671	2413	chr15: 18428171 - 18430168	91.54	91.54	0
807	14q	324223	325491	1269	chr14: 105607796 - 105609059	90	90	1
808	14q	360562	361821	1260	chr2: 95060054 - 95061370	91	91	0
809	14q	360571	370049	9479	chr15: 18453235 - 18455979	92.43	92.43	0
810	14q	364239	366620	2382	chr14: 105620163 - 105622561	90.09	90.09	1
811	14q	443538	444630	1093	chr14: 105692521 - 105693618	93	93	1
812	14q	443764	455721	11958	chr15: 18438652 - 18453387	90.38	90.38	0
813	14q	483496	484585	1090	chr15: 19974033 - 19975119	91.73	91.73	0
814	14q	483496	484585	1090	chr14: 105548902 - 105549981	92.1	92.1	1
815	15q	2004	10069	8066	Xq: 10579 - 2524 16p: 1462 - 9529 Yq: 10579 - 2524	97.76 97.79 97.76	97.77	0
816	15q	2007	28282	26276	9p: 1894 - 27840 chr2: 114048111 - 114074366	98.39 97.93	98.16	0
817	15q	8621	116787	108167	19p: 1 - 109077	98.5	98.5	0
818	15q	24333	28282	3950	12p: 1705 - 5645	96.89	96.89	0
819	15q	59048	116787	57740	6p: 1 - 58402	98.06	98.06	0
820	15q	75329	116787	41459	1p: 70845 - 112213 8p: 37990 - 81761 6q: 117939 - 72955 5q: 122536 - 80764 11p: 1 - 39454	97.91 98.12 98.08 98.15 98.11	98.07	0
821	15q	187268	199153	11886	chr15: 98137309 - 98148859	96.46	96.46	1
822	15q	187385	194606	7222	chr13: 91922051 - 91930591	92.11	92.11	0
823	15q	194717	202307	7591	chr7: 30120820 - 30129014	91.18	91.18	0
824	15q	194956	196153	1198	chr15: 76796036 - 76797273	91.83	91.83	1
825	15q	196769	198171	1403	chr15: 28868410 - 28870653 chr15: 80506706 - 80508296 chr15: 80893231 - 80894821 chr15: 82862061 - 82863651 chr15: 82730871 - 82732083 chr15: 76798290 - 76805545 chr5: 174276897 - 174277917 chr15: 73852798 - 73853994 chr15: 88633970 - 88635174 chr15: 76007224 - 76008425	91.92 92.16 92.16 91.61 91.44 91.56 90.25 90.59 91.20 90.30	91.32	1
826	15q	196920	205593	8674	chrY: 25934288 - 25940928 chrY: 24697760 - 24704400	91.16 91.21	91.19	0
827	15q	196938	215927	18990	chr10: 30682692 - 30701934	90.91	90.91	0
828	15q	197828	200670	2843	chrY: 24651121 - 24653928 chrY: 25984763 - 25987570	91.89 91.89	91.89	0
829	15q	199369	204239	4871	chr15: 28871217 - 28876264	91.13	91.13	1
830	15q	199586	200748	1163	chr15: 20807150 - 20808309 chr15: 28162918 - 28164076 chr15: 28215014 - 28216172 chr15: 28631942 - 28633098 chr15: 28683991 - 28685149 chr15: 30673416 - 30674572	90.00 90.00 90.00 90.00 90.00 90.00	90	1

831	15q	201248	204230	2983	chr15: 19029385 - 19032731	90.89	90.82	1
					chr15: 20988210 - 20991556	90.85		
					chr15: 21153007 - 21156349	90.78		
					chr15: 26299076 - 26302420	90.85		
					chr15: 20262047 - 20265393	90.90		
					chr15: 26572143 - 26575487	90.90		
					chr15: 30675435 - 30678238	90.59		
					chr15: 28686013 - 28688829	90.59		
					chr15: 32463988 - 32466749	91.07		
					chr15: 32610209 - 32612970	91.07		
					chr15: 28165012 - 28167753	91.01		
					chr15: 28634031 - 28636764	90.59		
					chr15: 28488465 - 28491200	90.59		
					chr15: 30477478 - 30480220	91.03		
chr15: 30520833 - 30523570	90.59							
832	15q	201420	203000	1581	chr15: 20809174 - 20810748	92.55	92.55	1
					chr15: 26752549 - 26754121	92.55		
833	15q	201501	205611	4111	chr15: 28217110 - 28221244	90.9	90.9	1
834	15q	202975	204549	1575	chr16: 51944569 - 51946166	90.59	90.59	0
835	15q	205285	210741	5457	chrY: 24655974 - 24660095	92.46	92.46	0
					chrY: 25978596 - 25982717	92.46		
836	15q	205482	207296	1815	chr15: 21157200 - 21159481	90.46	90.97	1
					chr15: 26303271 - 26305558	90.46		
					chr15: 28168615 - 28170758	91.14		
					chr15: 28637626 - 28639759	90.42		
					chr15: 28689681 - 28691820	91.24		
					chr15: 28877114 - 28879256	90.96		
					chr15: 30679100 - 30681234	91.03		
					chr15: 20992795 - 20994669	92.07		
					chr15: 88636451 - 88637777	90.34		
					chr15: 26569006 - 26570361	90.72		
					chr15: 28485472 - 28486644	90.69		
					chr15: 30474484 - 30475654	91.39		
					chr15: 30526837 - 30528009	91.69		
					chr15: 19033582 - 19037186	91.18		
chr15: 20257572 - 20260266	90.93							
837	15q	205543	208622	3080	chr15: 98149130 - 98172164	96.82	91.06	1
838	15q	207904	242877	34974	chr15: 30683396 - 30686806	90.91	96.82	1
839	15q	209356	212765	3410	chr15: 32458883 - 32460979	91.04	91.33	1
					chr15: 32605102 - 32607200	91.30		
					chr15: 19038003 - 19040161	91.95		
					chr15: 20996828 - 20998986	91.95		
					chr15: 26307729 - 26309887	91.58		
					chr15: 20254597 - 20256755	91.95		
					chr15: 26564677 - 26566835	91.07		
					chr15: 20816922 - 20819714	91.55		
					chr15: 21161647 - 21164438	91.56		
					chr15: 28172919 - 28175710	91.46		
					chr15: 28224987 - 28227778	91.52		
					chr15: 26743427 - 26746216	91.56		
					chr15: 28480522 - 28483310	91.12		
					chr15: 30469559 - 30472350	91.52		
					chr15: 30521723 - 30524674	91.07		
					chr15: 28641921 - 28644874	91.07		
					chr15: 28693981 - 28696937	91.39		
					chr15: 88640040 - 88641226	90.33		
					chr15: 70746041 - 70747120	91.00		
					chr15: 73349895 - 73350972	91.00		
					chr15: 72148922 - 72149999			

842	15q	212903	214599	1697	chr15: 32602604 - 32605056 chr15: 28176532 - 28178043 chr15: 28645530 - 28647040 chr15: 28478195 - 28479706 chr15: 30519551 - 30521065 chr15: 30466904 - 30468742 chr15: 28228917 - 28230435	90.31 90.00 90.00 90.00 90.00 90.87 90.84	90.29	1
843	15q	213931	215516	1586	chr22: 41507667 - 41509055	91.87	91.87	0
844	15q	214553	229500	14948	chr9: 128086775 - 128092943	90	90	0
845	15q	229301	233364	4064	chr15: 32595687 - 32600446	92.4	92.4	1
846	15q	233166	234260	1095	chr15: 82630934 - 82632099 chr15: 80799801 - 80800970 chr15: 82768162 - 82769333 chr15: 82845450 - 82846616 chr15: 32594623 - 32595648	90.27 90.27 90.27 90.27 91.48	90.51	1
847	15q	233655	239471	5817	chrY: 25947578 - 25952655 chrY: 24686029 - 24691110	91.43 91.45	91.44	0
848	15q	237263	238999	1737	chr15: 32590595 - 32592832 chr15: 82634169 - 82636141 chr15: 80451324 - 80462817 chr15: 80837868 - 80849351 chr15: 82671190 - 82683825 chr15: 83560288 - 83572931 chr15: 82841389 - 82843394 chr15: 82708569 - 82710578 chr15: 80526976 - 80528244 chr15: 80913507 - 80914775 chr15: 82911466 - 82912770 chr15: 80795775 - 80797035 chr15: 82764130 - 82765390	91.29 91.79 91.73 91.64 91.40 91.40 91.24 91.51 92.18 92.18 92.12 92.04 92.16	91.74	1
849	15q	237702	248990	11289	chrY: 25909036 - 25921556 chrY: 24717131 - 24729651	92.02 91.96	91.99	0
850	15q	239350	242355	3006	chr15: 82710941 - 82714269 chr15: 82907741 - 82911078 chr15: 82636529 - 82640276 chr15: 80791676 - 80795389 chr15: 82837278 - 82841026	92.97 92.30 91.46 91.62 91.46	91.96	1
851	15q	241976	244363	2388	chrY: 25955573 - 25958256 chrY: 24680429 - 24683110	93.67 93.67	93.67	0
852	15q	243592	247141	3550	chr15: 82715442 - 82719227	91.23	91.23	1
853	15q	247466	248990	1525	chr15: 80467769 - 80471182 chr15: 80854303 - 80857717 chr15: 82899233 - 82900478	90.59 90.28 90.43	90.43	1
854	15q	473217	475124	1908	chr9: 11773481 - 11775112	92.61	92.61	0
855	16p	1462	28780	27319	Xq: 29837 - 2524 Yq: 29837 - 2524	96.97 96.97	96.97	0
856	16p	1464	9529	8066	15q: 10069 - 2004 9p: 1894 - 9953 chr2: 114066302 - 114074366	97.79 98.08 98.13	98	0
857	16p	8082	9529	1448	19p: 1 - 1448	98	98	0
858	16p	17959	29051	11093	10p: 64762 - 74445	92.38	92.38	0
859	16p	17959	37573	19615	9q: 129597 - 113409 18p: 68156 - 84342	91.98 92.31	92.15	0
860	16p	48123	52702	4580	chr3: 14589148 - 14591139	91.94	91.94	0
861	16q	1705	13032	11328	17q: 19918 - 14511 5q: 15432 - 10026 6q: 9611 - 4197	96.51 96.27 96.72	96.5	0
862	16q	1705	5031	3327	19p: 196020 - 199397	93.59	93.59	0
863	16q	1705	3756	2052	5p: 618 - 2291	94.00	93.82	0
					4q: 7430 - 2781			

865	16q	1827	7774	5948	chr2: 114090474 - 114096529 19q: 16059 - 10016 22q: 19042 - 13006 1q: 11916 - 7032 4p: 11143 - 16488 18p: 88797 - 94488	94.03 94.22 93.97 93.07 92.61 93.45	93.56	0
866	16q	5038	7399	2362	1p: 281205 - 283465 6p: 91533 - 94526 19p: 182231 - 184131 3q: 59632 - 57730 11p: 111977 - 113879 9q: 24868 - 22273 7p: 71845 - 74440 8p: 105117 - 107714	95.08 92.95 95.40 95.01 95.01 95.10 95.32 94.95	94.85	0
867	16q	5897	7770	1874	2p: 4068 - 5924	91.53	91.53	0
868	16q	13817	57598	43782	chrY: 24760333 - 24810244 chrY: 25828452 - 25878360	96.04 96.05	96.05	0
869	16q	13817	30416	16600	chr1: 239500425 - 239517107	96.79	96.79	0
870	16q	13817	23961	10145	5q: 72329 - 62109 8p: 19652 - 29862 1p: 52507 - 62722 6q: 64494 - 54277	97.74 97.57 97.70 97.74	97.69	0
871	16q	13817	19869	6053	chr4: 119695468 - 119701610	97.38	97.38	0
872	16q	13817	14928	1112	chr1: 220402740 - 220403853	97.36	97.36	0
873	16q	15778	52766	36989	2q: 37420 - 79	97.64	97.64	0
874	16q	15806	36468	20663	chr1: 220404716 - 220425495	97.88	97.88	0
875	16q	19873	56395	36523	chr4: 119912346 - 119948842	96.99	96.99	0
876	16q	26485	57598	31114	chr10: 38775755 - 38806807	96.58	96.58	0
877	16q	27493	47361	19869	chr4: 165537042 - 165556842	95.66	95.66	0
878	16q	30092	64320	34229	20q: 46227 - 18783	97.43	97.43	0
879	16q	30356	57598	27243	7p: 91 - 27604 chr1: 239517108 - 239544133	98.38 96.91	97.64	0
880	16q	32910	64320	31411	6p: 62675 - 87328	97.58	97.58	0
881	16q	32910	57598	24689	19p: 113350 - 138324 5q: 151484 - 126807 11p: 43725 - 68406	98.19 98.57 98.18	98.31	0
882	16q	32910	50788	17879	8p: 86034 - 103892	97.66	97.66	0
883	16q	32910	43951	11042	6q: 133270 - 122211	98.12	98.12	0
884	16q	32910	36468	3559	1p: 116486 - 120044	97.92	97.92	0
885	16q	36614	56395	19782	chr1: 220425641 - 220445916	96.91	96.91	0
886	16q	36614	37793	1180	1p: 120190 - 121369	98.33	98.33	0
887	16q	41363	57598	16236	1p: 124946 - 141190	98.43	98.43	0
888	16q	42548	44495	1948	chr1: 224457827 - 224459772	96.91	96.91	0
889	16q	43247	57598	14352	3q: 14339 - 1	98.77	98.77	0
890	16q	44840	57598	12759	chr1: 224467506 - 224480262	96.67	96.67	0
891	16q	48412	50258	1847	chr7: 61805021 - 61806472 chr1: 193837523 - 193839718	91.98 92.15	92.06	0
892	16q	48423	57415	8993	chr7: 55985248 - 55994150 chr7: 45409991 - 45420987	94.69 94.60	94.64	0
893	16q	48424	53289	4866	chr7: 55420849 - 55425758	91.35	91.35	0
894	16q	52440	57598	5159	chr7: 127672739 - 127677904	96.4	96.4	0
895	16q	52457	56847	4391	chr7: 62456759 - 62460740 chr7: 56432166 - 56436149 chr7: 39391514 - 39396354 chr7: 55363641 - 55368463 chr1: 219029846 - 219033728 chr7: 51009264 - 51014002	94.27 94.10 93.54 94.12 96.93 94.19	94.52	0
896	16q	53721	56391	2671	chr4: 120680507 - 120683166	94.69	94.69	0
897	16q	62611	131365	68755	3q: 87591 - 17517 7p: 31783 - 101860	98.27 98.54	98.41	0
898	16q	62611	119454	56844	11p: 71805 - 128459	98.42	98.42	0
899	16q	62611	105868	43258	19p: 142094 - 185461	98.5	98.5	0
900	16q	62611	96795	34185	5q: 189359 - 154639	98.22	98.22	0
901	16q	62611	70142	7532	1p: 151063 - 158591	98.44	98.44	0

902	16q	62611	66298	3688	1p: 144248 - 147924 1p: 147657 - 151331	98.57 98.05	98.31	0
903	16q	62612	63909	1298	chr7: 45403637 - 45404932 chr1: 224460233 - 224461546 chr7: 51020104 - 51021398	96.38 95.07 95.75	95.73	0
904	16q	62613	65222	2610	chr4: 119904851 - 119907443 chr4: 120688005 - 120690600 chr10: 38769794 - 38772390 chr7: 39386597 - 39389187 chr7: 127667204 - 127669796 chr7: 55375429 - 55378337 chr7: 56005902 - 56008498 chr1: 219039323 - 219041921 chr1: 239547046 - 239549639 chr1: 220447184 - 220449733	96.33 96.08 96.70 95.95 97.89 96.62 96.56 96.63 97.34 98.06	96.82	0
905	16q	66125	68934	2810	chr7: 56015725 - 56026447	90.67	90.67	0
906	16q	68404	100242	31839	chr1: 219047352 - 219081989 chr10: 38729667 - 38764372	97.26 96.86	97.26	0
907	16q	68407	102624	34218	chr4: 119870679 - 119899413 chr4: 120696041 - 120730560 chr1: 239555083 - 239589627	97.28 96.34 97.48	96.99	0
908	16q	68409	94345	25937	chr1: 220455168 - 220481396	97.57	97.57	0
909	16q	68409	89625	21217	chr7: 39360178 - 39381110	92.88	92.88	0
910	16q	68409	70142	1734	chr7: 127660030 - 127661758	94.82	94.82	0
911	16q	68411	82585	14175	chr7: 56013907 - 56027313	92.43	92.43	0
912	16q	68433	72644	4212	chr7: 45392682 - 45396890	95.86	95.86	0
913	16q	69778	75519	5742	chr7: 62412186 - 62417768 chr7: 56475714 - 56481294 chr7: 51029490 - 51036010	90.73 90.73 92.87	91.44	0
914	16q	69778	72644	2867	chr7: 55385064 - 55388239	93.03	93.03	0
915	16q	72392	102624	30233	1p: 160844 - 191186	98.33	98.33	0
916	16q	72392	84501	12110	chr7: 127645453 - 127657799	96.24	96.24	0
917	16q	72392	81719	9328	chr7: 65587537 - 65593232	91.29	91.29	0
918	16q	72392	75264	2873	chr11: 50000552 - 50003428 chr7: 64516409 - 64519292	90.00 91.46	90.73	0
919	16q	75881	81420	5540	chr7: 64511343 - 64515807	90.86	90.86	0
920	16q	81201	131367	50167	9q: 51184 - 834	98.62	98.62	0
921	16q	81485	102624	21140	chr7: 45368447 - 45389874	96.36	96.36	0
922	16q	83754	85220	1467	chr7: 64507178 - 64508843	92.35	92.35	0
923	16q	84238	89681	5444	chr7: 56029594 - 56035175	92.72	92.72	0
924	16q	85455	86845	1391	chr7: 65561411 - 65562799	90.72	90.72	0
925	16q	90566	91685	1120	chr7: 56036051 - 56037182	92.33	92.33	0
926	16q	91646	100242	8597	chr7: 127636388 - 127644996	95.54	95.54	0
927	16q	94211	95696	1486	chr7: 75222310 - 75223815 chr7: 65540950 - 65542445	92.31 94.03	93.17	0
928	16q	96620	102624	6005	chr11: 50209890 - 50211062	90	90	0
929	16q	97194	98396	1203	chr7: 63775170 - 63776243 chr7: 64469009 - 64470133	90.25 90.32	90.28	0
930	16q	98838	102624	3787	chr1: 220481705 - 220485566	97.22	97.22	0
931	16q	102588	105715	3128	8p: 104622 - 108356 10q: 21274 - 18113 18p: 91554 - 94731 1q: 12159 - 9311 6p: 91944 - 94769 19q: 16701 - 13461 22q: 19684 - 16443 chr2: 114093933 - 114097169 4q: 8783 - 6261 4p: 14618 - 17140	97.34 93.87 94.70 93.14 93.07 96.79 97.11 97.04 94.27 94.27	95.16	0
					21q: 19448 - 18188			

935	16q	131390	145989	14600	9q: 108513 - 80928 10p: 32239 - 59811 18p: 36632 - 63394	95.40 94.97 95.73	95.37	0
936	16q	131398	133440	2043	4q: 123167 - 121031 1p: 286972 - 289118	93.70 92.74	93.22	0
937	16q	131430	138853	7424	3q: 119439 - 113998 chr12: 36865089 - 36876210 chr12: 34199947 - 34211062	94.43 90.88 91.90	92.4	0
938	16q	133608	138299	4692	4q: 121040 - 109513 chr1: 223993648 - 224001048	92.66 90.56	91.61	0
939	16q	137312	138848	1537	chr3: 75834770 - 75836658 chrY: 10552604 - 10554424 chrY: 18929039 - 18930242 chrY: 18075794 - 18076997	90.47 91.38 90.00 90.00	90.46	0
940	16q	149733	171180	21448	chr5: 23540912 - 23563027	93.82	93.82	0
941	16q	260295	278932	18638	chr17: 20447480 - 20450998	94.73	94.73	0
942	16q	292277	295725	3449	chr6: 90066806 - 90068310	90.79	90.79	0
943	16q	292549	293561	1013	chr19: 6446216 - 6447222 chr6: 3097672 - 3098689	92.00 91.00	91.5	0
944	16q	292551	293568	1018	chr6: 3168560 - 3169577	92	92	0
945	17p	727	18220	17494	7p: 78903 - 88088 3q: 73851 - 65850 9q: 37610 - 29318 16q: 117597 - 109676	97.52 97.23 97.52 97.52	97.45	0
946	17p	727	29146	28420	11p: 119534 - 136823	98.46	98.46	0
947	17q	3110	36125	33016	5q: 32068 - 1037	98.75	98.75	0
948	17q	3110	17406	14297	chr2: 114079703 - 114093488 22q: 16000 - 2133 10q: 17677 - 3829 21q: 17747 - 4338 19p: 189683 - 199081 8p: 112649 - 123045	95.87 95.90 95.43 96.10 95.88 94.76	95.66	0
949	17q	4319	17504	13186	19q: 13018 - 639	95.82	95.82	0
950	17q	8455	16452	7998	1q: 8975 - 1764	95.61	95.61	0
951	17q	8455	12292	3838	chr3: 75756447 - 75760281	93.52	93.52	0
952	17q	8545	43948	35404	6q: 33611 - 1	98.25	98.25	0
953	17q	12166	17506	5341	4p: 7719 - 14175	92.28	92.28	0
954	17q	14511	19918	5408	16q: 13032 - 1705	97.01	97.01	0
955	17q	14511	16179	1669	5p: 618 - 2291	94.7	94.7	0
956	17q	14875	17506	2632	4q: 5818 - 2781 18p: 88797 - 91117	92.10 93.44	92.77	0
957	17q	19570	36125	16556	1p: 1 - 15016	97.97	97.97	0
958	17q	36022	43948	7927	1p: 15044 - 25292 5q: 41588 - 32148	98.00 98.56	98.28	0
959	17q	125910	128514	2605	chr8: 86742308 - 86747680 chr8: 86860045 - 86865693 chr8: 86872236 - 86877884 chr8: 86884426 - 86889798 chr8: 86896340 - 86901988	98.41 98.20 97.90 97.90 98.41	98.16	0
960	17q	125910	126941	1032	chr8: 86754222 - 86758297	98.29	98.29	0
961	17q	126802	128514	1713	chr8: 86851789 - 86853502	96.23	96.23	0
962	18p	1159	2971	1813	chr2: 132391011 - 132392834 chr22: 14840436 - 14842245 chr14: 18429691 - 18431501	92.18 91.20 91.20	91.53	0
963	18p	1669	6849	5181	1p: 283791 - 286519	93.24	93.24	0
964	18p	3342	15324	11983	chr1: 224019203 - 224035343	91.13	91.13	0
965	18p	3342	44090	40749	chr12: 34145401 - 34211062	91.07	91.07	0
966	18p	3866	7707	3842	chr2: 132394175 - 132398023 chr22: 14843625 - 14847482 chr14: 18424456 - 18428301	94.20 93.77 93.94	93.97	0
967	18p	4415	79293	74879	10p: 1 - 74443	96.24	96.24	0
968	18p	14978	22991	8014	chrY: 18957030 - 18965446	90.99	90.99	0
969	18p	14978	35863	20886	chrY: 18040585 - 18065337	90.91	90.91	0
970	18p	15346	44090	28745	3q: 119439 - 99337	95.12	95.12	0
971	18p	15346	66163	50818	9q: 111417 - 63045	95.48	95.48	0

972	18p	17567	38676	21110	1p: 286972 - 301421	93.47	93.47	0
973	18p	22287	23484	1198	chrY: 10567257 - 10568441	91.33	91.33	0
974	18p	33215	38676	5462	4q: 126874 - 121031	93.48	93.48	0
975	18p	33905	35863	1959	chrY: 18940699 - 18942639	90	90	0
976	18p	36956	44089	7134	16q: 138858 - 131398 chr12: 36865089 - 36875578	95.83 90.74	93.28	0
977	18p	38560	43990	5431	4q: 121040 - 109513	92.98	92.98	0
978	18p	42541	44089	1549	chrY: 10552604 - 10554424 chr3: 75834770 - 75835986	90.44 90.72	90.58	0
979	18p	62317	63700	1384	Xq: 16188 - 15056 Yq: 16188 - 15056	90.00 90.00	90	0
980	18p	68156	79029	10874	Xq: 29838 - 19014 Yq: 29838 - 19014	92.75 92.75	92.75	0
981	18p	68156	84342	16187	16p: 17959 - 37573	92.34	92.34	0
982	18p	68156	87912	19757	9q: 133085 - 113409	97.59	97.59	0
983	18p	88797	91058	2262	8p: 121350 - 123046 17q: 17506 - 15235 6q: 7195 - 4927 5q: 13021 - 10750 19p: 196746 - 199397	93.94 93.44 93.28 93.44 93.32	93.48	0
984	18p	88797	92815	4019	21q: 19448 - 15450	93.54	93.54	0
985	18p	88797	95052	6256	16q: 7774 - 2435 chr2: 114091199 - 114097183 19q: 16715 - 10741 4p: 11867 - 17154 1q: 12573 - 7757 22q: 19698 - 13731 5p: 1348 - 2421	93.74 93.93 94.02 92.96 92.37 93.61 91.99	93.23	0
986	18p	88797	102436	13640	10q: 26302 - 15394 4q: 15653 - 3505	95.92 93.65	94.78	0
987	18p	91285	93377	2093	1p: 281205 - 283465 16q: 104535 - 102637	94.44 94.68	94.56	0
988	18p	91495	94967	3473	6p: 91533 - 94769 19p: 182231 - 185064 3q: 60982 - 57730 9q: 25525 - 22273 11p: 111977 - 115229 7p: 71845 - 75097 8p: 105117 - 107957	92.31 94.43 94.38 94.34 94.24 94.34 94.66	94.1	0
989	18p	93350	94731	1382	2p: 5103 - 6171	92.46	92.46	0
990	18p	102640	118325	15686	chr18: 16777494 - 16793498	97.27	97.27	1
991	19p	1	1448	1448	16p: 8082 - 9529 Xq: 10579 - 9133 Yq: 10579 - 9133	98.00 98.35 98.35	98.23	0
992	19p	1	19667	19667	9p: 8506 - 27840 chr2: 114048111 - 114067751	98.81 98.03	98.42	0
993	19p	1	109077	109077	15q: 116787 - 8621	98.47	98.47	0
994	19p	15718	19667	3950	12p: 1705 - 5645	96.98	96.98	0
995	19p	51596	143803	92208	6p: 1 - 87328	98.18	98.18	0
996	19p	68278	116908	48631	1p: 70481 - 120046	98.63	98.63	0
997	19p	68278	131513	63236	8p: 37604 - 103892	98.38	98.38	0
998	19p	68945	124695	55751	6q: 133270 - 72955	98.45	98.45	0
999	19p	68945	176313	107369	5q: 189359 - 80764	98.53	98.53	0
1000	19p	69632	185488	115857	11p: 1 - 115235	98.63	98.63	0
1001	19p	112806	138324	25519	chrY: 25847059 - 25878360 chrY: 24760333 - 24791629	95.75 95.76	95.75	0
1002	19p	112806	144474	31669	20q: 46227 - 21029 chr1: 239518849 - 239549639 chr10: 38769794 - 38800932 chr4: 119904851 - 119936314	97.53 97.05 96.67 96.83	97.02	0
					7p: 2360 - 75103	98.42		
					16q: 105895 - 32910			

1007	19p	117052	118231	1180	1p: 120190 - 121369	98.03	98.03	0
1008	19p	117052	137121	20070	chr1: 220425641 - 220445916	97.07	97.07	0
1009	19p	121798	145776	23979	1p: 124946 - 147924	98.85	98.85	0
1010	19p	123290	125228	1939	chr1: 224457838 - 224459772	97.34	97.34	0
1011	19p	123991	185488	61498	3q: 60988 - 1	98.72	98.72	0
1012	19p	125582	138324	12743	chr1: 224467506 - 224480262	96.86	96.86	0
1013	19p	129136	138027	8892	chr7: 55985248 - 55994150	94.6	94.6	0
1014	19p	129139	131162	2024	chr7: 61805021 - 61806480 chr1: 193837523 - 193839718 chr7: 55420846 - 55423188	92.37 93.09 92.44	92.63	0
1015	19p	129159	135874	6716	chr7: 45414266 - 45420987	94.82	94.82	0
1016	19p	133122	144698	11577	chr7: 127667204 - 127677946	96.6	96.6	0
1017	19p	133141	135874	2734	chr7: 51009103 - 51011866 chr7: 55363599 - 55366358 chr7: 56432157 - 56434907 chr7: 39393644 - 39396387 chr7: 62457999 - 62460749 chr1: 219029846 - 219032485	93.00 94.00 94.00 93.00 94.00 97.00	94.17	0
1018	19p	134445	144698	10254	chr4: 120680507 - 120690600	94.83	94.83	0
1019	19p	135964	137723	1760	chr1: 219032574 - 219033728 chr7: 56434997 - 56436149 chr7: 55366448 - 55368463 chr7: 62455575 - 62457909 chr7: 51011956 - 51014002 chr7: 39391514 - 39393554	96.86 94.15 94.48 93.77 94.76 95.02	94.84	0
1020	19p	135964	143392	7429	chr7: 45403637 - 45414176	95.23	95.23	0
1021	19p	138029	143392	5364	chr1: 224460233 - 224466670	94.42	94.42	0
1022	19p	142094	145776	3683	1p: 147657 - 151331	98.39	98.39	0
1023	19p	142094	149620	7527	1p: 151063 - 158591	98.58	98.58	0
1024	19p	142097	143392	1296	chr7: 51020104 - 51021398	95.53	95.53	0
1025	19p	142098	144698	2601	chr1: 219039323 - 219041921 chr7: 55375429 - 55378337 chr7: 56005902 - 56008498 chr7: 39386597 - 39389187 chr1: 220447184 - 220449733	96.72 96.61 96.65 96.16 98.20	96.87	0
1026	19p	145508	162092	16585	chr7: 56005902 - 56027313	92.91	92.91	0
1027	19p	145508	179758	34251	chr1: 219039323 - 219081989	97.15	97.15	0
1028	19p	145508	182218	36711	chr1: 239547046 - 239589627 chr4: 120688005 - 120730560	97.34 96.40	96.87	0
1029	19p	145555	148263	2709	chr7: 55375429 - 55383906 chr7: 56015725 - 56026447	94.40 90.67	92.53	0
1030	19p	147884	182218	34335	chr10: 38729667 - 38764372 chr4: 119870679 - 119899413	96.98 97.20	97.09	0
1031	19p	147887	149620	1734	chr7: 127660030 - 127661758	94.57	94.57	0
1032	19p	147887	169131	21245	chr7: 39360178 - 39381110	92.89	92.89	0
1033	19p	147887	173860	25974	chr1: 220455168 - 220481396	97.73	97.73	0
1034	19p	147911	152151	4241	chr7: 45392682 - 45396890	95.86	95.86	0
1035	19p	149256	152151	2896	chr7: 55385064 - 55388239	92.87	92.87	0
1036	19p	149256	155026	5771	chr7: 56475714 - 56481294 chr7: 62412186 - 62417768 chr7: 51029490 - 51036010	90.50 90.50 92.79	91.26	0
1037	19p	151899	154772	2874	chr11: 50000552 - 50003428 chr7: 64516409 - 64519292	90.00 91.46	90.73	0
1038	19p	151899	161226	9328	chr7: 65587537 - 65593232	91.29	91.29	0
1039	19p	151899	164008	12110	chr7: 127645453 - 127657799	95.93	95.93	0
1040	19p	151899	182218	30320	1p: 160844 - 191186	98.41	98.41	0
1041	19p	155388	160927	5540	chr7: 64511343 - 64515807	91.43	91.43	0
1042	19p	160708	185488	24781	9q: 25531 - 834	98.24	98.24	0
1043	19p	160992	182218	21227	chr7: 45368447 - 45389874	96.35	96.35	0
1044	19p	163261	164727	1467	chr7: 64507178 - 64508843	92.01	92.01	0
1045	19p	163745	169187	5443	chr7: 56029594 - 56035175	92.74	92.74	0
1046	19p	164962	166351	1390	chr7: 65561411 - 65562799	90.72	90.72	0
1047	19p	170070	171196	1127	chr7: 56036051 - 56037182	92.98	92.98	0
1048	19p	171157	179758	8602	chr7: 127636388 - 127644996	95.2	95.2	0

1049	19p	173726	175216	1491	chr7: 75222310 - 75223826 chr7: 65540948 - 65542445	92.69 94.40	93.55	0
1050	19p	176709	178070	1362	chr7: 63774859 - 63776250 chr7: 64469009 - 64470133	90.56 90.16	90.36	0
1051	19p	178356	182218	3863	chr1: 220481705 - 220485566	96.99	96.99	0
1052	19p	181756	198474	16719	8p: 104641 - 123046	96.74	96.74	0
1053	19p	182231	183859	1629	1p: 281741 - 283465 16q: 7077 - 5156 21q: 19448 - 18188	96.51 95.40 96.00	95.97	0
1054	19p	182254	185274	3021	10q: 21268 - 18113 6p: 91944 - 94765 1q: 12155 - 9311 18p: 91554 - 94727 19q: 16721 - 13461 22q: 19704 - 16443 4p: 14618 - 17154 4q: 8797 - 6261 chr2: 114093933 - 114097189 2p: 3251 - 6167	93.66 93.04 93.19 94.67 96.95 96.88 93.85 93.96 97.03 91.52	94.47	1
1055	19p	189683	193721	4039	6q: 145794 - 139446	92.13	92.13	0
1056	19p	189683	199296	9614	5q: 13019 - 1037 17q: 17504 - 3110 10q: 17976 - 3829 21q: 18046 - 4338 6p: 91217 - 91808 22q: 16306 - 2133 chr2: 114079703 - 114093794	95.55 95.45 96.26 96.04 95.43 96.26 96.18	95.88	0
1057	19p	190896	199385	8490	19q: 13324 - 639	96.04	96.04	1
1058	19p	193592	199283	5692	4p: 7699 - 14477 6q: 7193 - 1847 1q: 9172 - 4691	91.97 94.05 94.70	93.57	0
1059	19p	196019	197721	1703	5p: 617 - 2291	94.58	94.58	0
1060	19p	196022	199383	3362	16q: 5015 - 1705 4q: 6120 - 2781	93.60 92.19	92.89	0
1061	19p	196746	199380	2635	18p: 88797 - 91414	93.17	93.17	0
1062	19q	639	16745	16107	10q: 21689 - 5039 22q: 19746 - 3342 chr2: 114080913 - 114097231	96.03 98.00 98.32	97.45	0
1063	19q	639	14724	14086	21q: 19448 - 5548	97.17	97.17	0
1064	19q	639	12948	12310	8p: 113859 - 123046 5q: 13019 - 2247 17q: 17504 - 4319 19p: 190896 - 199397	93.81 95.29 95.21 96.04	95.09	1
1065	19q	3954	16715	12762	1q: 12573 - 1764	94.48	94.48	0
1066	19q	3954	7796	3843	chr3: 75756447 - 75760281	93.52	93.52	0
1067	19q	4044	13018	8975	6q: 7193 - 1	94.64	94.64	0
1068	19q	7670	16713	9044	13q: 2231 - 1395 4p: 7719 - 17154	91.92 92.68	92.3	0
1069	19q	7670	10865	3196	6q: 147506 - 145671	90.65	90.65	0
1070	19q	10198	16551	6354	5p: 617 - 2423 16q: 7774 - 1705 4q: 8797 - 2781 18p: 88797 - 95146	93.63 94.07 92.78 94.01	93.62	0
1071	19q	13190	15273	2084	1p: 281205 - 283465 16q: 104535 - 102637	95.55 97.05	96.3	0
1072	19q	13438	16749	3312	6p: 91533 - 95228 19p: 182231 - 185488 3q: 61030 - 57730 11p: 111977 - 115277 7p: 71845 - 75145 9q: 25573 - 22273	92.75 96.96 96.93 96.79 96.66 96.66	95.65	1
					chr2: 110574910 - 110576267			

1075	19q	208689	210500	1812	chr8: 81374441 - 81374984	92.4	92.4	0
1076	19q	208781	215337	6557	chrX: 6199833 - 6200483 chr6: 116684955 - 116685502	93.51 95.79	94.65	0
1077	19q	209984	215339	5356	chr21: 33775923 - 33776376	91.21	91.21	0
1078	20p	404459	408223	3765	chr11: 11323729 - 11324230	98.37	98.37	0
1079	20p	409322	429307	19986	chr11: 11324227 - 11325163	99.16	99.16	0
1080	20q	3777	18388	14612	12p: 27892 - 42389	97.97	97.97	0
1081	20q	18783	45040	26258	chrY: 24761547 - 24793892 chrY: 25844800 - 25877147	96.02 95.99	96	0
1082	20q	18783	41420	22638	2q: 37420 - 14408	97.56	97.56	0
1083	20q	18783	19856	1074	chr1: 220419136 - 220420213	98	98	0
1084	20q	18785	36084	17300	chr4: 165539678 - 165556918	95.44	95.44	0
1085	20q	18888	46226	27339	chr4: 119905733 - 119938569 16q: 64320 - 30092 chr10: 38770686 - 38803195 7p: 91 - 33495 chr1: 239517108 - 239548748	97.03 97.60 96.69 97.49 97.48	97.26	0
1086	20q	21028	50897	29870	6p: 62132 - 91344 6q: 139561 - 121665 8p: 85490 - 112773	98.23 97.49 97.28	97.67	0
1087	20q	21028	46225	25198	5q: 156343 - 126263 19p: 112806 - 143803 11p: 43183 - 73516	97.71 97.70 97.75	97.72	0
1088	20q	21307	25147	3841	1p: 115941 - 120046 chr1: 220421937 - 220425497	97.78 97.94	97.86	0
1089	20q	25288	35880	10593	chr1: 220425641 - 220436743	97.29	97.29	0
1090	20q	25288	27704	2417	1p: 120190 - 122607	98.77	98.77	0
1091	20q	30035	35880	5846	1p: 124946 - 130821	96.54	96.54	0
1092	20q	31196	33132	1937	chr1: 224457838 - 224459772	97.34	97.34	0
1093	20q	31895	46227	14333	3q: 19226 - 1	98	98	0
1094	20q	33511	45818	12308	chr1: 224460233 - 224480262	96.9	96.9	0
1095	20q	37052	38981	1930	chr1: 193837523 - 193838976 chr7: 61805021 - 61807375	93.19 91.70	92.44	0
1096	20q	37057	46223	9167	chr1: 220437912 - 220448841 chr7: 55985248 - 56007603 1p: 131997 - 145957 chr7: 45403235 - 45420987	97.49 95.09 97.95 95.12	96.41	0
1097	20q	38376	41943	3568	chr7: 55422123 - 55425758	91.58	91.58	0
1098	20q	41068	45827	4760	chr7: 51009103 - 51021398 chr7: 62456760 - 62460749 chr7: 56432157 - 56436148 chr7: 39387491 - 39396387 chr7: 127668095 - 127677946 chr7: 55363599 - 55377459 chr1: 219029845 - 219041033	93.53 94.16 93.99 93.67 96.62 94.25 96.93	94.74	0
1099	20q	42375	46227	3853	chr4: 120680507 - 120689715	94.64	94.64	0
1100	20q	398145	405831	7687	chr8: 23391299 - 23395680	92.14	92.14	0
1101	20q	442754	444018	1265	12q: 456964 - 455241	90	90	0
1102	21q	2734	19448	16715	22q: 17706 - 532	97.22	97.22	0
1103	21q	4338	19448	15111	chr2: 114079703 - 114095193 10q: 19372 - 3829	96.91 96.59	96.75	0
1104	21q	4338	17671	13334	5q: 13019 - 1037 17q: 17504 - 3110 19p: 189683 - 199397 8p: 112649 - 123046	95.05 95.52 95.57 93.76	94.97	0
1105	21q	4338	5796	1459	6q: 140926 - 139446	91.85	91.85	0
1106	21q	5548	19448	13901	19q: 14724 - 639	97.27	97.27	0
1107	21q	8673	19448	10776	1q: 10576 - 1764	94.96	94.96	0
1108	21q	8673	12505	3833	chr3: 75756447 - 75760281	93.52	93.52	0
1109	21q	8764	17747	8984	6q: 7193 - 1	94.37	94.37	0
1110	21q	12379	18851	6473	4p: 7719 - 15281	91.64	91.64	0
1111	21q	12379	15574	3196	6q: 147506 - 145671	90.65	90.65	0
1112	21q	14724	21380	6657	5p: 617 - 17258	92.39	92.39	0

1113	21q	14968	19249	4282	16q: 6418 - 1705 4q: 6924 - 2781 18p: 88797 - 92815	93.54 91.68 93.35	92.86	0
1114	21q	18082	19448	1367	1p: 281205 - 283004 6p: 91533 - 93211 7p: 71847 - 73106 19p: 182233 - 183494 8p: 105118 - 106379 16q: 103898 - 102639 9q: 23534 - 22275 11p: 111979 - 113241 3q: 58994 - 57732	95.19 93.18 95.69 95.69 95.70 95.69 95.69 96.13 96.13	95.45	0
1115	21q	18444	20521	2078	2p: 3280 - 17320	92.63	92.63	0
1116	21q	20229	21380	1152	chr3: 197230489 - 197231637	92	92	0
1117	21q	23660	26137	2478	2p: 89270 - 91971	93.21	93.21	0
1118	22q	532	17706	17175	21q: 19448 - 2734	97.1	97.1	0
1119	22q	2133	65623	63491	chr2: 114079703 - 114144877	97.94	97.94	0
1120	22q	2133	19680	17548	10q: 21671 - 3829 17q: 17504 - 3110	95.86 95.33	95.86	0
1121	22q	2133	15931	13799	5q: 13019 - 1037 19p: 189683 - 199397 8p: 112649 - 123046	94.98 96.25 93.54	95.03	0
1122	22q	2133	3743	1611	6q: 141080 - 139446	91.39	91.39	0
1123	22q	3342	19684	16343	19q: 16701 - 639	98.05	98.05	0
1124	22q	6932	19684	12753	1q: 12559 - 1764	94.15	94.15	0
1125	22q	6932	10786	3855	chr3: 75756447 - 75760281	93.52	93.52	0
1126	22q	7022	16000	8979	6q: 7193 - 1 13q: 2219 - 1395	94.18 92.13	94.18	0
1127	22q	10660	19682	9023	4p: 7719 - 17140	92.45	92.29	0
1128	22q	10660	13855	3196	6q: 147506 - 145671	90.65	90.65	0
1129	22q	13188	19523	6336	5p: 617 - 2407 16q: 7774 - 1705 4q: 8783 - 2781 18p: 88797 - 95132	93.37 93.97 92.15 93.63	93.28	0
1130	22q	16172	18256	2085	1p: 281205 - 283465 16q: 104535 - 102637	95.22 97.24	96.23	0
1131	22q	16423	19683	3261	6p: 91533 - 95168 19p: 182231 - 185461 7p: 71845 - 75083 11p: 111977 - 115215 3q: 60968 - 57730 9q: 25511 - 22273 8p: 105117 - 108356 2p: 3280 - 6570	92.49 97.00 96.93 97.02 97.02 96.93 96.76 92.00	95.77	0
1132	22q	338214	359132	20919	chr8: 56523161 - 56528801	91.25	91.25	0
1133	22q	345476	359332	13857	chr1: 11872093 - 11875082	91.1	91.1	0
1134	22q	363588	375954	12367	chr21: 14300639 - 14310578	91.52	91.52	0
1135	22q	363588	375954	12367	chr18: 14131836 - 14141611	90.72	90.72	0
1136	Xp_Yp	114316	123873	9558	chr15: 20004096 - 20015923	92.15	92.15	0
1137	Xq	2524	29837	27314	16p: 1462 - 28780 9p: 1894 - 9953	96.97 98.23	96.97	0
1138	Xq	2526	10579	8054	15q: 10069 - 2004 chr2: 114066302 - 114074366	97.73 97.86	97.94	0
1139	Xq	9133	10579	1447	19p: 1 - 1448 9q: 123870 - 113409	98.34 92.89	98.34	0
1140	Xq	19014	29938	10925	18p: 68156 - 79029 10p: 64762 - 74476	92.76 92.26	92.64	0
1141	Xq	419175	420323	1149	chrX: 154128108 - 154129278	94.66	94.66	1
1142	Yq	393125	395835	2711	chr16: 33448552 - 33451269 chr2: 96049906 - 96052677	94.89 93.51	94.89	0
					chr1: 145641470 - 145642988			

