

Supplementary Table 3. Summary of the whole-exome sequencing statistics for the 91 members of 19 hereditary prostate cancer families

Family ID	Individual ID	Phenotype *	Total Number of Reads	Mean coverage of 33 Mb target	Positions called within 33 Mb target at threshold coverage (>8x)	Positions called within 33 Mb target at 30x coverage	Ti/Tv ratio within exon positions
1	1	A	125784216	81.924292	88.0747	70.0197	3.0583
1	2	A	170271290	84.151938	89.3876	71.9078	2.9629
1	3	A	133697674	69.300289	88.9832	69.5366	2.8928
1	4	U	95247330	63.819658	82.0188	59.2742	2.8136
1	5	A	125210292	63.344682	85.8586	63.7264	2.8895
2	1	A	221380396	117.698851	90.6003	77.2532	3.0278
2	2	A	269543778	119.804668	91.3017	79.0288	2.976
2	3	A	321190796	132.007697	90.8585	78.3933	3.0142
2	4	A	96226664	63.838299	86.655	64.3036	2.9363
3	1	A	125701152	75.102193	88.7853	70.4679	2.9616
3	2	A	118124002	74.845331	88.4652	70.0814	2.9858
3	3	A	140538260	88.378994	88.3018	70.73	3.0765
3	4	U	128981740	84.651163	89.7449	73.575	3.0903
3	5	A	116751110	72.884317	88.8897	70.6098	3.1247
3	6	A	85018460	58.930777	87.5588	64.7709	3.0885
4	1	A	86413970	61.247381	83.3392	60.6285	2.9787
4	2	A	102169998	72.414542	86.9843	67.1937	3.0037
4	3	A	101108748	66.574106	84.4593	62.2891	2.8705
4	4	A	150030902	87.028421	89.1949	72.1547	3.0945
4	5	A	232552242	106.019069	90.4086	75.8519	3.0211
4	6	U	84414370	36.588616	81.854	48.566	2.8546
5	1	A	111341824	70.311727	87.3843	67.4776	2.9802
5	2	A	100438500	63.664761	85.9106	63.6854	2.8747
5	3	A	181343596	85.384745	89.3829	73.0566	2.9509
5	4	A	134667502	74.027747	88.5806	69.9808	3.0078
5	5	U	101038084	58.595083	82.9272	59.2634	2.9742
6	1	A	155057706	79.634199	89.1005	71.0479	3.0366
6	2	A	145837080	98.203943	89.4408	73.8102	3.0974
6	3	A	124395350	85.498865	87.8172	69.6954	3.0659
6	4	A	124902366	72.783639	88.1355	68.9685	3.0543
6	5	A	145805254	82.871481	88.5921	70.622	3.0081
7	1	A	257564676	132.146525	91.2508	79.0617	3.0058
7	2	A	214713570	113.066255	90.6893	78.1388	3.0668
7	3	A	123963268	76.161024	86.3054	66.4805	3.0274
7	4	U	125323524	74.456966	87.5693	67.9184	3.0333
8	1	U	139595304	78.738469	88.2618	69.8253	3.0575
8	2	A	146814478	88.286478	87.757	70.171	3.0406
8	3	A	142727586	85.041099	88.6094	71.0253	2.9959
8	4	A	0	0	0	0	0
9	1	A	121159992	80.622811	88.4462	69.6816	2.9906
9	2	A	121949774	66.161798	87.6983	66.9361	2.9101
9	3	A	111786260	69.02747	88.2953	68.9248	2.9155
10	1	A	89331338	61.277553	87.1605	65.0135	2.9568
10	2	A	105874488	69.715579	87.8108	67.7376	2.9669

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10	3	A	152291462	78.490639	90.5191	74.0823	2.9425
10	4	A	179732704	80.850832	90.6565	74.9094	3.0781
11	1	A	107689684	63.131889	88.8463	68.548	3.0972
11	2	A	82605076	39.964577	83.8742	52.141	2.9896
11	3	A	27821718	21.687608	74.3389	24.8183	2.9958
11	4	A	97440980	68.452496	89.3746	70.9168	3.053
11	5	A	117704836	70.606908	88.8718	69.1233	3.0318
12	1	A	169687784	78.767791	90.1374	72.3352	3.0847
12	2	A	124798080	69.899442	88.0594	67.7154	3.0176
12	3	A	145301112	85.638242	89.3794	72.5231	3.0362
12	4	U	137009424	77.718556	89.5663	72.0284	2.9742
12	5	A	117751364	71.190834	88.4289	68.7714	2.962
13	1	A	185635456	96.287283	89.8506	73.3828	3.0919
13	2	A	106246346	73.687734	89.5578	71.8688	3.1362
13	3	A	46204886	29.66154	80.2246	39.6769	2.9305
13	4	A	54466118	38.962018	81.7507	49.5865	2.9388
13	5	A	125618412	75.147095	88.1713	68.8193	3.0086
14	1	A	60281166	36.054881	80.3059	46.9155	2.8146
14	2	A	154968734	82.418971	89.4085	71.5831	3.0272
14	3	A	100729468	67.973918	88.0292	67.2375	2.9308
14	4	A	213386032	97.819711	90.5748	75.3855	3.1177
14	5	A	175824314	89.754483	89.4211	72.1575	3.0594
14	6	A	226796770	108.609438	90.1536	75.0565	3.0808
14	7	U	130875286	74.116572	89.7312	72.5752	2.9832
15	1	A	99630476	70.376163	88.1818	68.4326	2.9204
15	2	A	68613102	40.866815	83.7813	51.4254	3.0421
15	3	A	116562146	65.983245	88.0952	67.4565	3.0352
15	4	A	128027208	69.458499	88.038	67.4141	2.9836
16	1	A	115843184	77.777577	89.8256	72.826	3.1083
16	2	A	81297922	50.648112	86.5167	60.5664	3.0033
16	3	A	190091844	93.29059	90.1032	74.8954	3.0234
16	4	A	126976450	74.839276	88.273	68.911	2.9976
17	1	A	84995518	56.404597	87.3542	63.3511	2.8815
17	2	U	107878724	70.721373	88.2525	68.3113	2.9463
17	3	A	132373212	72.321176	88.3879	68.262	3.0857
18	1	A	91655276	54.501916	87.5771	64.2619	3.008
18	2	A	80893050	55.160363	88.3439	64.832	3.0575
18	3	A	132009024	82.053165	90.6996	75.8403	3.0767
18	4	U	79541858	57.043931	87.6759	65.3753	2.9568
18	5	A	93522492	62.375526	87.5055	65.8468	2.9737
18	6	A	110413356	64.77256	88.6648	68.2603	3.0247
19	1	A	125090122	74.795143	89.1712	70.8387	2.9998
19	2	A	95057052	66.908166	88.2271	67.8759	2.9358
19	3	A	95032970	67.098519	88.4231	68.3844	2.8858
19	4	A	101582578	68.838092	88.3198	68.3473	2.9098
19	5	A	127421166	71.338466	89.3359	71.0847	2.8544
19	6	U	92824648	63.654257	88.3329	67.3499	2.9166

*A=affected; U=unaffected