

Supplementary Table S1. Sequencing statistics.

Whole-exome sequencing											
Sample ID	Target Territory	Total Reads	Percent Selected Bases	Mean Target Coverage (X)	Percent Target Bases 2X	Percent Target Bases 10X	Percent Target Bases 20X	Percent Target Bases 30X	Percent Target Bases 40X	Percent Target Bases 50X	Percent Target Bases 100X
MOC01T	51189318	147482208	0.809	127.41	0.998	0.995	0.988	0.976	0.955	0.923	0.636
MOC01N	51189318	96659605	0.753	81.17	0.997	0.989	0.968	0.928	0.864	0.778	0.293
MOC05T	51189318	171056570	0.805	141.25	0.998	0.994	0.987	0.974	0.955	0.927	0.674
MOC05N	51189318	166809860	0.819	150.81	0.998	0.995	0.990	0.981	0.967	0.948	0.749
MOC09T	51189318	119891686	0.810	106.08	0.998	0.992	0.979	0.954	0.915	0.860	0.483
MOC09N	51189318	127118366	0.851	117.37	0.998	0.994	0.985	0.970	0.945	0.909	0.589
MOC10T	51189318	101334916	0.815	92.27	0.998	0.992	0.977	0.946	0.898	0.830	0.394
MOC10N	51189318	142985579	0.863	131.66	0.998	0.995	0.988	0.976	0.958	0.931	0.668
MOC30T	51189318	154908848	0.807	136.52	0.998	0.995	0.988	0.977	0.959	0.932	0.683
MOC30N	51189318	180928486	0.801	156.44	0.998	0.995	0.990	0.981	0.968	0.950	0.761
MOC32T	51189318	156489344	0.827	139.34	0.998	0.995	0.988	0.975	0.955	0.926	0.672
MOC32N	51189318	134947603	0.790	119.09	0.998	0.994	0.985	0.969	0.944	0.907	0.590
MOC37T	51189318	154908765	0.811	136.71	0.998	0.995	0.987	0.973	0.952	0.921	0.660
MOC37N	51189318	108290335	0.824	99.54	0.998	0.993	0.979	0.955	0.916	0.860	0.456
MOC59T	51189318	114616671	0.833	101.15	0.998	0.993	0.978	0.949	0.902	0.838	0.435
MOC59N	51189318	133351663	0.808	119.43	0.998	0.994	0.985	0.970	0.945	0.909	0.595
MOC73T	51189318	115678196	0.819	103.93	0.998	0.993	0.981	0.959	0.923	0.871	0.485
MOC73N	51189318	162669867	0.805	143.18	0.998	0.995	0.989	0.979	0.963	0.941	0.717

Targeted sequencing (MSK-IMPACT)											
Sample ID	Target Territory	Total Reads	Percent Selected Bases	Mean Target Coverage (X)	Percent Target Bases 2X	Percent Target Bases 10X	Percent Target Bases 20X	Percent Target Bases 30X	Percent Target Bases 40X	Percent Target Bases 50X	Percent Target Bases 100X
MOC04P	1204666	51100127	0.681	260.12	0.991	0.988	0.985	0.983	0.981	0.980	0.968
MOC04N	1204666	20648388	0.869	485.28	0.991	0.986	0.983	0.979	0.976	0.972	0.951
MOC17P	1204666	56574807	0.700	335.22	0.991	0.988	0.986	0.984	0.983	0.981	0.974
MOC17N	1204666	23543056	0.835	353.69	0.989	0.985	0.982	0.979	0.976	0.973	0.950
MOC19M	1204666	59198749	0.249	31.79	0.992	0.968	0.807	0.491	0.226	0.096	0.008
MOC19N	1204666	25663039	0.772	223.05	0.989	0.985	0.982	0.978	0.974	0.970	0.932
MOC21M	1204666	40418657	0.804	539.60	0.991	0.988	0.986	0.984	0.983	0.981	0.974
MOC21N	1204666	25242298	0.838	351.24	0.993	0.990	0.987	0.984	0.982	0.979	0.961
MOC25P	1204666	53178659	0.789	619.69	0.993	0.991	0.989	0.988	0.986	0.985	0.980
MOC25N	1204666	23213243	0.792	241.30	0.991	0.986	0.982	0.979	0.976	0.971	0.937
MOC31P	1204666	53350281	0.750	336.75	0.992	0.990	0.988	0.985	0.983	0.981	0.964
MOC31N	1204666	21096526	0.840	346.46	0.990	0.986	0.981	0.976	0.972	0.966	0.924
MOC38P	1204666	32398630	0.326	27.03	0.992	0.952	0.677	0.330	0.139	0.064	0.004
MOC38N	1204666	31353190	0.296	27.33	0.987	0.910	0.653	0.379	0.179	0.075	0.004
MOC46P	1204666	15831960	0.790	266.31	0.989	0.982	0.973	0.962	0.950	0.936	0.866
MOC46N	1204666	6552075	0.802	108.36	0.985	0.961	0.928	0.893	0.856	0.818	0.545
MOC48P	1204666	14778488	0.720	157.25	0.989	0.981	0.969	0.952	0.932	0.911	0.763
MOC48N	1204666	6874475	0.625	47.35	0.981	0.936	0.854	0.737	0.578	0.403	0.043
MOC51P	1204666	12760382	0.753	168.08	0.990	0.982	0.971	0.957	0.938	0.918	0.797
MOC51N	1204666	6473950	0.800	116.52	0.985	0.961	0.931	0.899	0.865	0.828	0.585
MOC52P	1204666	11089449	0.753	144.07	0.988	0.977	0.959	0.938	0.917	0.894	0.738
MOC52N	1204666	5893896	0.806	107.54	0.984	0.958	0.924	0.887	0.846	0.795	0.486
MOC60P	1204666	16653353	0.797	302.73	0.990	0.984	0.975	0.963	0.950	0.937	0.868
MOC60N	1204666	11204497	0.823	219.50	0.992	0.984	0.969	0.950	0.932	0.913	0.819
MOC62P	1204666	19027865	0.814	372.21	0.991	0.985	0.978	0.969	0.959	0.949	0.897
MOC62N	1204666	8813478	0.828	179.69	0.989	0.975	0.954	0.932	0.911	0.889	0.760
MOC67M	1204666	15910979	0.718	190.02	0.988	0.980	0.968	0.952	0.935	0.917	0.796
MOC67N	1204666	5819402	0.757	75.41	0.984	0.957	0.912	0.862	0.803	0.733	0.257
MOC72P	1204666	14615063	0.809	278.74	0.991	0.984	0.976	0.965	0.952	0.939	0.877
MOC72N	1204666	8199064	0.817	163.17	0.988	0.974	0.951	0.929	0.908	0.884	0.754