



The following applies to MCECP / MayoComplete Endometrial Carcinoma Panel, Next-Generation Sequencing. Next-generation sequencing (NGS) is performed to test for the presence of microsatellite instability, single nucleotide variations, deletions and insertions in coding regions and intron/exon boundaries of the genes listed. When appropriate, alterations detected are confirmed by an independent reference method, such as Sanger sequencing. Default reportable range offset is +/-2 base pairs around each targeted exon region.

As a result of technical limitations of the assay (including regions of homology, high GC content, and repetitive sequences), there are regions of some genes that cannot be effectively evaluated. Refer to gene regions table below for complete gene coverage information. To verify if a specific region/exon/variant is covered by this assay, contact the laboratory at 800-533-1710.

Genomic Build: GRCh37 (hg19) unless otherwise specified

Gene	Exon	Chromosome	Genomic Start	Genomic Stop	Reference Transcript
ATM	Ex2	chr11	108098350	108098425	NM_000051
ATM	Ex3	chr11	108098501	108098617	NM_000051
ATM	Ex4	chr11	108099903	108100052	NM_000051
ATM	Ex5	chr11	108106395	108106563	NM_000051
ATM	Ex6	chr11	108114678	108114847	NM_000051
ATM	Ex7	chr11	108115513	108115755	NM_000051
ATM	Ex8	chr11	108117689	108117856	NM_000051
ATM	Ex9	chr11	108119658	108119831	NM_000051
ATM	Ex10	chr11	108121426	108121801	NM_000051
ATM	Ex11	chr11	108122562	108122760	NM_000051
ATM	Ex12	chr11	108123542	108123641	NM_000051
ATM	Ex13	chr11	108124539	108124768	NM_000051
ATM	Ex14	chr11	108126940	108127069	NM_000051
ATM	Ex15	chr11	108128206	108128335	NM_000051
ATM	Ex16	chr11	108129711	108129804	NM_000051
ATM	Ex17	chr11	108137896	108138071	NM_000051
ATM	Ex18	chr11	108139135	108139338	NM_000051
ATM	Ex19	chr11	108141789	108141875	NM_000051
ATM	Ex20	chr11	108141976	108142135	NM_000051
ATM	Ex21	chr11	108143257	108143336	NM_000051
ATM	Ex22	chr11	108143447	108143581	NM_000051
ATM	Ex23	chr11	108150216	108150337	NM_000051
ATM	Ex24	chr11	108151720	108151897	NM_000051
ATM	Ex25	chr11	108153435	108153558	NM_000051
ATM	Ex26	chr11	108154952	108155202	NM_000051
ATM	Ex27	chr11	108158325	108158444	NM_000051
ATM	Ex28	chr11	108159702	108159832	NM_000051
ATM	Ex29	chr11	108160327	108160530	NM_000051
ATM	Ex30	chr11	108163344	108163522	NM_000051
ATM	Ex31	chr11	108164038	108164206	NM_000051
ATM	Ex32	chr11	108165652	108165788	NM_000051
ATM	Ex33	chr11	108168012	108168111	NM_000051

Targeted Genes and Methodology Details

for MayoComplete Endometrial Panel (continued)

Gene	Exon	Chromosome	Genomic Start	Genomic Stop	Reference Transcript
ATM	Ex34	chr11	108170439	108170614	NM_000051
ATM	Ex35	chr11	108172373	108172518	NM_000051
ATM	Ex36	chr11	108173578	108173758	NM_000051
ATM	Ex37	chr11	108175400	108175581	NM_000051
ATM	Ex38	chr11	108178622	108178713	NM_000051
ATM	Ex39	chr11	108180885	108181044	NM_000051
ATM	Ex40	chr11	108183136	108183227	NM_000051
ATM	Ex41	chr11	108186548	108186640	NM_000051
ATM	Ex42	chr11	108186736	108186842	NM_000051
ATM	Ex43	chr11	108188098	108188250	NM_000051
ATM	Ex44	chr11	108190679	108190787	NM_000051
ATM	Ex45	chr11	108192026	108192149	NM_000051
ATM	Ex46	chr11	108196035	108196273	NM_000051
ATM	Ex47	chr11	108196783	108196954	NM_000051
ATM	Ex48	chr11	108198370	108198487	NM_000051
ATM	Ex49	chr11	108199746	108199967	NM_000051
ATM	Ex50	chr11	108200939	108201150	NM_000051
ATM	Ex51	chr11	108202169	108202286	NM_000051
ATM	Ex52	chr11	108202604	108202766	NM_000051
ATM	Ex53	chr11	108203487	108203629	NM_000051
ATM	Ex54	chr11	108204611	108204697	NM_000051
ATM	Ex55	chr11	108205694	108205838	NM_000051
ATM	Ex56	chr11	108206570	108206690	NM_000051
ATM	Ex57	chr11	108213947	108214100	NM_000051
ATM	Ex58	chr11	108216468	108216637	NM_000051
ATM	Ex59	chr11	108218004	108218094	NM_000051
ATM	Ex60	chr11	108224491	108224609	NM_000051
ATM	Ex61	chr11	108225536	108225603	NM_000051
ATM	Ex62	chr11	108235807	108235947	NM_000051
ATM	Ex63	chr11	108236050	108236237	NM_000051
ATR	Ex1	chr3	142297486	142297548	NM_001184
ATR	Ex2	chr3	142286903	142286998	NM_001184
ATR	Ex3	chr3	142284961	142285105	NM_001184
ATR	Ex4	chr3	142281072	142281953	NM_001184
ATR	Ex5	chr3	142280083	142280265	NM_001184
ATR	Ex6	chr3	142279103	142279298	NM_001184
ATR	Ex7	chr3	142278091	142278285	NM_001184
ATR	Ex8	chr3	142277464	142277620	NM_001184
ATR	Ex9	chr3	142275223	142275419	NM_001184
ATR	Ex10	chr3	142274717	142274983	NM_001184

Targeted Genes and Methodology Details for MayoComplete Endometrial Panel (continued)

Gene	Exon	Chromosome	Genomic Start	Genomic Stop	Reference Transcript
ATR	Ex11	chr3	142272665	142272859	NM_001184
ATR	Ex12	chr3	142272480	142272584	NM_001184
ATR	Ex13	chr3	142272067	142272242	NM_001184
ATR	Ex14	chr3	142268972	142269146	NM_001184
ATR	Ex15	chr3	142268319	142268517	NM_001184
ATR	Ex16	chr3	142266565	142266754	NM_001184
ATR	Ex17	chr3	142261505	142261601	NM_001184
ATR	Ex18	chr3	142259744	142259878	NM_001184
ATR	Ex19	chr3	142257322	142257469	NM_001184
ATR	Ex20	chr3	142254948	142255045	NM_001184
ATR	Ex21	chr3	142253920	142254049	NM_001184
ATR	Ex22	chr3	142242833	142243043	NM_001184
ATR	Ex23	chr3	142241568	142241685	NM_001184
ATR	Ex24	chr3	142238509	142238628	NM_001184
ATR	Ex25	chr3	142234235	142234359	NM_001184
ATR	Ex26	chr3	142232341	142232482	NM_001184
ATR	Ex27	chr3	142231100	142231314	NM_001184
ATR	Ex28	chr3	142226771	142226953	NM_001184
ATR	Ex29	chr3	142223979	142224147	NM_001184
ATR	Ex30	chr3	142222202	142222297	NM_001184
ATR	Ex31	chr3	142218467	142218562	NM_001184
ATR	Ex32	chr3	142217437	142217618	NM_001184
ATR	Ex33	chr3	142215853	142216036	NM_001184
ATR	Ex34	chr3	142215201	142215364	NM_001184
ATR	Ex35	chr3	142211972	142212155	NM_001184
ATR	Ex36	chr3	142203980	142204126	NM_001184
ATR	Ex37	chr3	142188926	142189027	NM_001184
ATR	Ex38	chr3	142188177	142188413	NM_001184
ATR	Ex39	chr3	142186774	142186912	NM_001184
ATR	Ex40	chr3	142185164	142185377	NM_001184
ATR	Ex41	chr3	142183937	142184084	NM_001184
ATR	Ex42	chr3	142180780	142180934	NM_001184
ATR	Ex43	chr3	142178067	142178227	NM_001184
ATR	Ex44	chr3	142177798	142177955	NM_001184
ATR	Ex45	chr3	142176444	142176599	NM_001184
ATR	Ex46	chr3	142171968	142172077	NM_001184
ATR	Ex47	chr3	142168269	142168446	NM_001184
BRCA1	Ex2	chr17	41276032	41276115	NM_007294
BRCA1	Ex3	chr17	41267741	41267798	NM_007294
BRCA1	Ex4	chr17	41258471	41258552	NM_007294

Targeted Genes and Methodology Details for MayoComplete Endometrial Panel (continued)

Gene	Exon	Chromosome	Genomic Start	Genomic Stop	Reference Transcript
BRCA1	Ex5	chr17	41256883	41256975	NM_007294
BRCA1	Ex6	chr17	41256137	41256280	NM_007294
BRCA1	Ex7	chr17	41251790	41251899	NM_007294
BRCA1	Ex8	chr17	41249259	41249308	NM_007294
BRCA1	Ex9	chr17	41247861	41247941	NM_007294
BRCA1	Ex10	chr17	41243450	41246879	NM_007294
BRCA1	Ex11	chr17	41242959	41243051	NM_007294
BRCA1	Ex12	chr17	41234419	41234594	NM_007294
BRCA1	Ex13	chr17	41228503	41228633	NM_007294
BRCA1	Ex14	chr17	41226346	41226540	NM_007294
BRCA1	Ex15	chr17	41222943	41223257	NM_007294
BRCA1	Ex16	chr17	41219623	41219714	NM_007294
BRCA1	Ex17	chr17	41215889	41215970	NM_007294
BRCA1	Ex18	chr17	41215348	41215392	NM_007294
BRCA1	Ex19	chr17	41209067	41209154	NM_007294
BRCA1	Ex20	chr17	41203078	41203136	NM_007294
BRCA1	Ex21	chr17	41201136	41201213	NM_007294
BRCA1	Ex22	chr17	41199658	41199722	NM_007294
BRCA1	Ex23	chr17	41197693	41197821	NM_007294
BRCA2	Ex2	chr13	32890596	32890666	NM_000059
BRCA2	Ex3	chr13	32893212	32893464	NM_000059
BRCA2	Ex4	chr13	32899211	32899323	NM_000059
BRCA2	Ex5	chr13	32900236	32900289	NM_000059
BRCA2	Ex6	chr13	32900377	32900421	NM_000059
BRCA2	Ex7	chr13	32900634	32900752	NM_000059
BRCA2	Ex8	chr13	32903578	32903631	NM_000059
BRCA2	Ex9	chr13	32905054	32905169	NM_000059
BRCA2	Ex10	chr13	32906407	32907526	NM_000059
BRCA2	Ex11	chr13	32910400	32915335	NM_000059
BRCA2	Ex12	chr13	32918693	32918792	NM_000059
BRCA2	Ex13	chr13	32920962	32921035	NM_000059
BRCA2	Ex14	chr13	32928996	32929427	NM_000059
BRCA2	Ex15	chr13	32930563	32930748	NM_000059
BRCA2	Ex16	chr13	32931877	32932068	NM_000059
BRCA2	Ex17	chr13	32936658	32936832	NM_000059
BRCA2	Ex18	chr13	32937314	32937672	NM_000059
BRCA2	Ex19	chr13	32944537	32944696	NM_000059
BRCA2	Ex20	chr13	32945091	32945239	NM_000059
BRCA2	Ex21	chr13	32950805	32950930	NM_000059
BRCA2	Ex22	chr13	32953452	32953654	NM_000059

Targeted Genes and Methodology Details for MayoComplete Endometrial Panel (continued)

Gene	Exon	Chromosome	Genomic Start	Genomic Stop	Reference Transcript
BRCA2	Ex23	chr13	32953885	32954052	NM_000059
BRCA2	Ex24	chr13	32954142	32954284	NM_000059
BRCA2	Ex25	chr13	32968824	32969072	NM_000059
BRCA2	Ex26	chr13	32971033	32971183	NM_000059
BRCA2	Ex27	chr13	32972297	32972909	NM_000059
CDK12	Ex1	chr17	37618323	37619372	NM_016507
CDK12	Ex2	chr17	37627130	37628018	NM_016507
CDK12	Ex3	chr17	37646808	37646988	NM_016507
CDK12	Ex4	chr17	37649002	37649145	NM_016507
CDK12	Ex5	chr17	37650775	37650949	NM_016507
CDK12	Ex6	chr17	37657501	37657694	NM_016507
CDK12	Ex7	chr17	37665956	37666016	NM_016507
CDK12	Ex8	chr17	37667780	37667885	NM_016507
CDK12	Ex9	chr17	37671982	37672063	NM_016507
CDK12	Ex10	chr17	37673691	37673811	NM_016507
CDK12	Ex11	chr17	37676207	37676342	NM_016507
CDK12	Ex12	chr17	37680925	37681140	NM_016507
CDK12	Ex13	chr17	37682115	37682571	NM_016507
CDK12	Ex14	chr17	37686855	37687571	NM_016507
CTNNB1	Ex2	chr3	41265558	41265574	NM_001904
CTNNB1	Ex3	chr3	41266015	41266246	NM_001904
CTNNB1	Ex4	chr3	41266443	41266700	NM_001904
CTNNB1	Ex5	chr3	41266823	41267065	NM_001904
CTNNB1	Ex6	chr3	41267149	41267354	NM_001904
CTNNB1	Ex7	chr3	41268697	41268845	NM_001904
CTNNB1	Ex8	chr3	41274830	41274937	NM_001904
CTNNB1	Ex9	chr3	41275018	41275360	NM_001904
CTNNB1	Ex10	chr3	41275628	41275790	NM_001904
CTNNB1	Ex11	chr3	41277213	41277336	NM_001904
CTNNB1	Ex12	chr3	41277838	41277992	NM_001904
CTNNB1	Ex13	chr3	41278077	41278202	NM_001904
CTNNB1	Ex14	chr3	41279505	41279569	NM_001904
CTNNB1	Ex15	chr3	41280623	41280835	NM_001904
EPCAM	Ex1	chr2	47596643	47596722	NM_002354
EPCAM	Ex2	chr2	47600600	47600711	NM_002354
EPCAM	Ex3	chr2	47600945	47601189	NM_002354
EPCAM	Ex4	chr2	47602371	47602440	NM_002354
EPCAM	Ex5	chr2	47604151	47604218	NM_002354
EPCAM	Ex6	chr2	47606090	47606195	NM_002354
EPCAM	Ex7	chr2	47606906	47607110	NM_002354

Targeted Genes and Methodology Details for MayoComplete Endometrial Panel (continued)

Gene	Exon	Chromosome	Genomic Start	Genomic Stop	Reference Transcript
<i>EPCAM</i>	Ex8	chr2	47612303	47612351	NM_002354
<i>EPCAM</i>	Ex9	chr2	47613709	47613754	NM_002354
<i>ERBB2</i>	Ex1	chr17	37856490	37856566	NM_004448
<i>ERBB2</i>	Ex2	chr17	37863241	37863396	NM_004448
<i>ERBB2</i>	Ex3	chr17	37864572	37864789	NM_004448
<i>ERBB2</i>	Ex4	chr17	37865569	37865707	NM_004448
<i>ERBB2</i>	Ex5	chr17	37866064	37866136	NM_004448
<i>ERBB2</i>	Ex6	chr17	37866337	37866456	NM_004448
<i>ERBB2</i>	Ex7	chr17	37866591	37866736	NM_004448
<i>ERBB2</i>	Ex8	chr17	37868179	37868302	NM_004448
<i>ERBB2</i>	Ex9	chr17	37868573	37868703	NM_004448
<i>ERBB2</i>	Ex10	chr17	37871537	37871614	NM_004448
<i>ERBB2</i>	Ex11	chr17	37871697	37871791	NM_004448
<i>ERBB2</i>	Ex12	chr17	37871991	37872194	NM_004448
<i>ERBB2</i>	Ex13	chr17	37872552	37872688	NM_004448
<i>ERBB2</i>	Ex14	chr17	37872766	37872860	NM_004448
<i>ERBB2</i>	Ex15	chr17	37873571	37873735	NM_004448
<i>ERBB2</i>	Ex16	chr17	37876038	37876089	NM_004448
<i>ERBB2</i>	Ex17	chr17	37879570	37879712	NM_004448
<i>ERBB2</i>	Ex18	chr17	37879789	37879915	NM_004448
<i>ERBB2</i>	Ex19	chr17	37880163	37880265	NM_004448
<i>ERBB2</i>	Ex20	chr17	37880977	37881166	NM_004448
<i>ERBB2</i>	Ex21	chr17	37881300	37881459	NM_004448
<i>ERBB2</i>	Ex22	chr17	37881578	37881657	NM_004448
<i>ERBB2</i>	Ex23	chr17	37881958	37882108	NM_004448
<i>ERBB2</i>	Ex24	chr17	37882813	37882914	NM_004448
<i>ERBB2</i>	Ex25	chr17	37883066	37883258	NM_004448
<i>ERBB2</i>	Ex26	chr17	37883546	37883802	NM_004448
<i>ERBB2</i>	Ex27	chr17	37883940	37884299	NM_004448
<i>FBXW7</i>	Ex2	chr4	153332453	153332957	NM_033632
<i>FBXW7</i>	Ex3	chr4	153271192	153271278	NM_033632
<i>FBXW7</i>	Ex4	chr4	153268080	153268225	NM_033632
<i>FBXW7</i>	Ex5	chr4	153258952	153259090	NM_033632
<i>FBXW7</i>	Ex6	chr4	153253746	153253873	NM_033632
<i>FBXW7</i>	Ex7	chr4	153251882	153252022	NM_033632
<i>FBXW7</i>	Ex8	chr4	153250822	153250939	NM_033632
<i>FBXW7</i>	Ex9	chr4	153249358	153249543	NM_033632
<i>FBXW7</i>	Ex10	chr4	153247156	153247385	NM_033632
<i>FBXW7</i>	Ex11	chr4	153245334	153245548	NM_033632
<i>FBXW7</i>	Ex12	chr4	153244031	153244303	NM_033632

Targeted Genes and Methodology Details for MayoComplete Endometrial Panel (continued)

Gene	Exon	Chromosome	Genomic Start	Genomic Stop	Reference Transcript
L1CAM	Ex2	chrX	153141214	153141293	NM_001278116
L1CAM	Ex3	chrX	153138681	153138699	NM_001278116
L1CAM	Ex4	chrX	153138045	153138154	NM_001278116
L1CAM	Ex5	chrX	153137605	153137811	NM_001278116
L1CAM	Ex6	chrX	153136510	153136636	NM_001278116
L1CAM	Ex7	chrX	153136243	153136417	NM_001278116
L1CAM	Ex8	chrX	153135841	153135956	NM_001278116
L1CAM	Ex9	chrX	153135509	153135697	NM_001278116
L1CAM	Ex10	chrX	153135256	153135391	NM_001278116
L1CAM	Ex11	chrX	153134973	153135120	NM_001278116
L1CAM	Ex12	chrX	153134294	153134409	NM_001278116
L1CAM	Ex13	chrX	153134014	153134184	NM_001278116
L1CAM	Ex14	chrX	153133755	153133915	NM_001278116
L1CAM	Ex15	chrX	153133451	153133579	NM_001278116
L1CAM	Ex16	chrX	153133253	153133367	NM_001278116
L1CAM	Ex17	chrX	153132809	153133010	NM_001278116
L1CAM	Ex18	chrX	153132507	153132581	NM_001278116
L1CAM	Ex19	chrX	153132102	153132328	NM_001278116
L1CAM	Ex20	chrX	153131157	153131276	NM_001278116
L1CAM	Ex21	chrX	153130752	153130957	NM_001278116
L1CAM	Ex22	chrX	153130541	153130667	NM_001278116
L1CAM	Ex23	chrX	153130274	153130451	NM_001278116
L1CAM	Ex24	chrX	153130038	153130161	NM_001278116
L1CAM	Ex25	chrX	153129775	153129934	NM_001278116
L1CAM	Ex26	chrX	153129336	153129474	NM_001278116
L1CAM	Ex27	chrX	153128930	153129006	NM_001278116
L1CAM	Ex28	chrX	153128821	153128836	NM_001278116
L1CAM	Ex29	chrX	153128116	153128351	NM_001278116
MLH1	Ex1	chr3	37035037	37035156	NM_000249
MLH1	Ex2	chr3	37038108	37038202	NM_000249
MLH1	Ex3	chr3	37042444	37042546	NM_000249
MLH1	Ex4	chr3	37045890	37045967	NM_000249
MLH1	Ex5	chr3	37048480	37048556	NM_000249
MLH1	Ex6	chr3	37050303	37050398	NM_000249
MLH1	Ex7	chr3	37053309	37053355	NM_000249
MLH1	Ex8	chr3	37053500	37053592	NM_000249
MLH1	Ex9	chr3	37055921	37056037	NM_000249
MLH1	Ex10	chr3	37058995	37059092	NM_000249
MLH1	Ex11	chr3	37061799	37061956	NM_000249
MLH1	Ex12	chr3	37067126	37067500	NM_000249

Targeted Genes and Methodology Details for MayoComplete Endometrial Panel (continued)

Gene	Exon	Chromosome	Genomic Start	Genomic Stop	Reference Transcript
<i>MLH1</i>	Ex13	chr3	37070273	37070425	NM_000249
<i>MLH1</i>	Ex14	chr3	37081675	37081787	NM_000249
<i>MLH1</i>	Ex15	chr3	37083757	37083824	NM_000249
<i>MLH1</i>	Ex16	chr3	37089008	37089176	NM_000249
<i>MLH1</i>	Ex17	chr3	37090006	37090102	NM_000249
<i>MLH1</i>	Ex18	chr3	37090393	37090510	NM_000249
<i>MLH1</i>	Ex19	chr3	37091975	37092146	NM_000249
<i>MSH2</i>	Ex1	chr2	47630329	47630543	NM_000251
<i>MSH2</i>	Ex2	chr2	47635538	47635696	NM_000251
<i>MSH2</i>	Ex3	chr2	47637231	47637513	NM_000251
<i>MSH2</i>	Ex4	chr2	47639551	47639701	NM_000251
<i>MSH2</i>	Ex5	chr2	47641406	47641559	NM_000251
<i>MSH2</i>	Ex6	chr2	47643433	47643570	NM_000251
<i>MSH2</i>	Ex7	chr2	47656879	47657082	NM_000251
<i>MSH2</i>	Ex8	chr2	47672685	47672798	NM_000251
<i>MSH2</i>	Ex9	chr2	47690168	47690295	NM_000251
<i>MSH2</i>	Ex10	chr2	47693795	47693949	NM_000251
<i>MSH2</i>	Ex11	chr2	47698102	47698203	NM_000251
<i>MSH2</i>	Ex12	chr2	47702162	47702411	NM_000251
<i>MSH2</i>	Ex13	chr2	47703504	47703712	NM_000251
<i>MSH2</i>	Ex14	chr2	47705409	47705660	NM_000251
<i>MSH2</i>	Ex15	chr2	47707833	47708012	NM_000251
<i>MSH2</i>	Ex16	chr2	47709916	47710090	NM_000251
<i>MSH6</i>	Ex1	chr2	48010371	48010634	NM_000179
<i>MSH6</i>	Ex2	chr2	48018064	48018264	NM_000179
<i>MSH6</i>	Ex3	chr2	48023031	48023204	NM_000179
<i>MSH6</i>	Ex4	chr2	48025748	48028296	NM_000179
<i>MSH6</i>	Ex5	chr2	48030557	48030826	NM_000179
<i>MSH6</i>	Ex6	chr2	48032047	48032168	NM_000179
<i>MSH6</i>	Ex7	chr2	48032755	48032848	NM_000179
<i>MSH6</i>	Ex8	chr2	48033341	48033499	NM_000179
<i>MSH6</i>	Ex9	chr2	48033589	48033792	NM_000179
<i>MSH6</i>	Ex10	chr2	48033916	48034001	NM_000179
<i>NBN</i>	Ex1	chr8	90996751	90996791	NM_002485
<i>NBN</i>	Ex2	chr8	90994948	90995085	NM_002485
<i>NBN</i>	Ex3	chr8	90993601	90993753	NM_002485
<i>NBN</i>	Ex4	chr8	90992960	90993123	NM_002485
<i>NBN</i>	Ex5	chr8	90990446	90990553	NM_002485
<i>NBN</i>	Ex6	chr8	90983399	90983520	NM_002485
<i>NBN</i>	Ex7	chr8	90982590	90982787	NM_002485

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Gene	Exon	Chromosome	Genomic Start	Genomic Stop	Reference Transcript
<i>NBN</i>	Ex8	chr8	90976636	90976737	NM_002485
<i>NBN</i>	Ex9	chr8	90970951	90971084	NM_002485
<i>NBN</i>	Ex10	chr8	90967509	90967785	NM_002485
<i>NBN</i>	Ex11	chr8	90965470	90965921	NM_002485
<i>NBN</i>	Ex12	chr8	90960050	90960122	NM_002485
<i>NBN</i>	Ex13	chr8	90958366	90958525	NM_002485
<i>NBN</i>	Ex14	chr8	90955479	90955596	NM_002485
<i>NBN</i>	Ex15	chr8	90949252	90949305	NM_002485
<i>NBN</i>	Ex16	chr8	90947808	90947842	NM_002485
<i>PALB2</i>	Ex1	chr16	23652429	23652480	NM_024675
<i>PALB2</i>	Ex2	chr16	23649389	23649452	NM_024675
<i>PALB2</i>	Ex3	chr16	23649169	23649275	NM_024675
<i>PALB2</i>	Ex4	chr16	23646181	23647657	NM_024675
<i>PALB2</i>	Ex5	chr16	23640959	23641792	NM_024675
<i>PALB2</i>	Ex6	chr16	23640523	23640598	NM_024675
<i>PALB2</i>	Ex7	chr16	23637555	23637720	NM_024675
<i>PALB2</i>	Ex8	chr16	23635328	23635417	NM_024675
<i>PALB2</i>	Ex9	chr16	23634288	23634453	NM_024675
<i>PALB2</i>	Ex10	chr16	23632681	23632801	NM_024675
<i>PALB2</i>	Ex11	chr16	23625323	23625414	NM_024675
<i>PALB2</i>	Ex12	chr16	23619183	23619335	NM_024675
<i>PALB2</i>	Ex13	chr16	23614778	23614992	NM_024675
<i>PMS2</i>	Ex1	chr7	6048626	6048652	NM_000535
<i>PMS2</i>	Ex2	chr7	6045521	6045664	NM_000535
<i>PMS2</i>	Ex3	chr7	6043601	6043691	NM_000535
<i>PMS2</i>	Ex4	chr7	6043319	6043425	NM_000535
<i>PMS2</i>	Ex5	chr7	6042082	6042269	NM_000535
<i>PMS2</i>	Ex6	chr7	6038737	6038908	NM_000535
<i>PMS2</i>	Ex7	chr7	6036955	6037056	NM_000535
<i>PMS2</i>	Ex8	chr7	6035163	6035266	NM_000535
<i>PMS2</i>	Ex9	chr7	6031602	6031690	NM_000535
<i>PMS2</i>	Ex10	chr7	6029429	6029588	NM_000535
<i>PMS2</i>	Ex11	chr7	6026388	6027253	NM_000535
<i>PMS2</i>	Ex12	chr7	6022453	6022624	NM_000535
<i>PMS2</i>	Ex13	chr7	6018225	6018329	NM_000535
<i>PMS2</i>	Ex14	chr7	6017217	6017390	NM_000535
<i>PMS2</i>	Ex15	chr7	6013028	6013175	NM_000535
<i>POLE</i>	Ex1	chr12	133263838	133263903	NM_006231
<i>POLE</i>	Ex2	chr12	133257722	133257867	NM_006231
<i>POLE</i>	Ex3	chr12	133257191	133257275	NM_006231

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Gene	Exon	Chromosome	Genomic Start	Genomic Stop	Reference Transcript
POLE	Ex4	chr12	133256762	133256810	NM_006231
POLE	Ex5	chr12	133256538	133256634	NM_006231
POLE	Ex6	chr12	133256081	133256239	NM_006231
POLE	Ex7	chr12	133254162	133254307	NM_006231
POLE	Ex8	chr12	133253947	133254031	NM_006231
POLE	Ex9	chr12	133253130	133253241	NM_006231
POLE	Ex10	chr12	133252678	133252792	NM_006231
POLE	Ex11	chr12	133252319	133252408	NM_006231
POLE	Ex12	chr12	133251982	133252105	NM_006231
POLE	Ex13	chr12	133250159	133250295	NM_006231
POLE	Ex14	chr12	133249748	133249865	NM_006231
POLE	Ex15	chr12	133249211	133249427	NM_006231
POLE	Ex16	chr12	133248799	133248910	NM_006231
POLE	Ex17	chr12	133245395	133245527	NM_006231
POLE	Ex18	chr12	133245219	133245325	NM_006231
POLE	Ex19	chr12	133244940	133245090	NM_006231
POLE	Ex20	chr12	133244087	133244236	NM_006231
POLE	Ex21	chr12	133241886	133242038	NM_006231
POLE	Ex22	chr12	133240954	133241050	NM_006231
POLE	Ex23	chr12	133240588	133240736	NM_006231
POLE	Ex24	chr12	133238111	133238272	NM_006231
POLE	Ex25	chr12	133237553	133237752	NM_006231
POLE	Ex26	chr12	133235879	133236097	NM_006231
POLE	Ex27	chr12	133234452	133234558	NM_006231
POLE	Ex28	chr12	133233933	133234017	NM_006231
POLE	Ex29	chr12	133233720	133233846	NM_006231
POLE	Ex30	chr12	133226261	133226477	NM_006231
POLE	Ex31	chr12	133225890	133226103	NM_006231
POLE	Ex32	chr12	133225513	133225660	NM_006231
POLE	Ex33	chr12	133220421	133220565	NM_006231
POLE	Ex34	chr12	133219991	133220148	NM_006231
POLE	Ex35	chr12	133219808	133219918	NM_006231
POLE	Ex36	chr12	133219404	133219584	NM_006231
POLE	Ex37	chr12	133219090	133219317	NM_006231
POLE	Ex38	chr12	133218761	133218985	NM_006231
POLE	Ex39	chr12	133218231	133218439	NM_006231
POLE	Ex40	chr12	133215709	133215886	NM_006231
POLE	Ex41	chr12	133214598	133214727	NM_006231
POLE	Ex42	chr12	133212476	133212612	NM_006231
POLE	Ex43	chr12	133210770	133210966	NM_006231

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Gene	Exon	Chromosome	Genomic Start	Genomic Stop	Reference Transcript
<i>POLE</i>	Ex44	chr12	133209248	133209383	NM_006231
<i>POLE</i>	Ex45	chr12	133208899	133209096	NM_006231
<i>POLE</i>	Ex46	chr12	133202701	133202905	NM_006231
<i>POLE</i>	Ex47	chr12	133202229	133202358	NM_006231
<i>POLE</i>	Ex48	chr12	133201489	133201582	NM_006231
<i>POLE</i>	Ex49	chr12	133201281	133201398	NM_006231
<i>PPP2R1A</i>	Ex1	chr19	52693348	52693429	NM_014225
<i>PPP2R1A</i>	Ex2	chr19	52705195	52705289	NM_014225
<i>PPP2R1A</i>	Ex3	chr19	52709214	52709318	NM_014225
<i>PPP2R1A</i>	Ex4	chr19	52714511	52714747	NM_014225
<i>PPP2R1A</i>	Ex5	chr19	52715937	52716088	NM_014225
<i>PPP2R1A</i>	Ex6	chr19	52716206	52716365	NM_014225
<i>PPP2R1A</i>	Ex7	chr19	52719030	52719148	NM_014225
<i>PPP2R1A</i>	Ex8	chr19	52719255	52719329	NM_014225
<i>PPP2R1A</i>	Ex9	chr19	52719780	52719918	NM_014225
<i>PPP2R1A</i>	Ex10	chr19	52722942	52723119	NM_014225
<i>PPP2R1A</i>	Ex11	chr19	52723440	52723504	NM_014225
<i>PPP2R1A</i>	Ex12	chr19	52724230	52724388	NM_014225
<i>PPP2R1A</i>	Ex13	chr19	52725350	52725496	NM_014225
<i>PPP2R1A</i>	Ex14	chr19	52728968	52729063	NM_014225
<i>PPP2R1A</i>	Ex15	chr19	52729216	52729236	NM_014225
<i>TP53</i>	Ex2	chr17	7579837	7579914	NM_000546
<i>TP53</i>	Ex3	chr17	7579698	7579723	NM_000546
<i>TP53</i>	Ex4	chr17	7579310	7579592	NM_000546
<i>TP53</i>	Ex5	chr17	7578369	7578556	NM_000546
<i>TP53</i>	Ex6	chr17	7578175	7578291	NM_000546
<i>TP53</i>	Ex7	chr17	7577497	7577610	NM_000546
<i>TP53</i>	Ex8	chr17	7577017	7577157	NM_000546
<i>TP53</i>	Ex9	chr17	7576851	7576928	NM_000546
<i>TP53</i>	Ex10	chr17	7573925	7574035	NM_000546
<i>TP53</i>	Ex11	chr17	7572925	7573010	NM_000546