



The following applies to MCBPP / MayoComplete Bladder and Prostate Cancer 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.

Genomic Build: GRCh37 (hg19) unless otherwise specified.

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.

Gene	Exon	Chromosome	Genomic Start	Genomic End	Transcript
APC	Ex2	chr5	112090586	112090724	NM_000038
APC	Ex3	chr5	112102021	112102109	NM_000038
APC	Ex4	chr5	112102884	112103089	NM_000038
APC	Ex5	chr5	112111324	112111436	NM_000038
APC	Ex6	chr5	112116485	112116602	NM_000038
APC	Ex7	chr5	112128141	112128228	NM_000038
APC	Ex8	chr5	112136974	112137082	NM_000038
APC	Ex9	chr5	112151190	112151292	NM_000038
APC	Ex10	chr5	112154661	112155043	NM_000038
APC	Ex11	chr5	112157591	112157690	NM_000038
APC	Ex12	chr5	112162803	112162946	NM_000038
APC	Ex13	chr5	112163624	112163705	NM_000038
APC	Ex14	chr5	112164551	112164671	NM_000038
APC	Ex15	chr5	112170646	112170864	NM_000038
APC	Ex16	chr5	112173248	112179825	NM_000038
AR	Ex1	chrX	66764987	66765155	NM_000044
AR	Ex1	chrX	66765265	66766335	NM_000044
AR	Ex1	chrX	66766412	66766606	NM_000044
AR	Ex2	chrX	66863096	66863251	NM_000044
AR	Ex3	chrX	66905850	66905970	NM_000044
AR	Ex4	chrX	66931242	66931533	NM_000044
AR	Ex5	chrX	66937318	66937466	NM_000044
AR	Ex6	chrX	66941673	66941807	NM_000044
AR	Ex7	chrX	66942667	66942828	NM_000044
AR	Ex8	chrX	66943526	66943685	NM_000044
ARID1A	Ex1	chr1	27022893	27024033	NM_006015
ARID1A	Ex2	chr1	27056140	27056356	NM_006015
ARID1A	Ex3	chr1	27057641	27058097	NM_006015
ARID1A	Ex4	chr1	27059165	27059285	NM_006015
ARID1A	Ex5	chr1	27087345	27087589	NM_006015
ARID1A	Ex6	chr1	27087873	27087966	NM_006015

Targeted Genes and Methodology Details for MayoComplete Bladder/Prostate Panel (continued)

Gene	Exon	Chromosome	Genomic Start	Genomic End	Transcript
ARID1A	Ex7	chr1	27088641	27088812	NM_006015
ARID1A	Ex8	chr1	27089462	27089778	NM_006015
ARID1A	Ex9	chr1	27092710	27092859	NM_006015
ARID1A	Ex10	chr1	27092946	27093059	NM_006015
ARID1A	Ex11	chr1	27094279	27094492	NM_006015
ARID1A	Ex12	chr1	27097608	27097819	NM_006015
ARID1A	Ex13	chr1	27098989	27099125	NM_006015
ARID1A	Ex14	chr1	27099301	27099480	NM_006015
ARID1A	Ex15	chr1	27099835	27099989	NM_006015
ARID1A	Ex16	chr1	27100069	27100178	NM_006015
ARID1A	Ex17	chr1	27100291	27100391	NM_006015
ARID1A	Ex18	chr1	27100818	27101713	NM_006015
ARID1A	Ex19	chr1	27102066	27102200	NM_006015
ARID1A	Ex20	chr1	27105512	27107249	NM_006015
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

Targeted Genes and Methodology Details for MayoComplete Bladder/Prostate Panel (continued)

Gene	Exon	Chromosome	Genomic Start	Genomic End	Transcript
<i>ATM</i>	Ex28	chr11	108159702	108159832	NM_000051
<i>ATM</i>	Ex29	chr11	108160327	108160530	NM_000051
<i>ATM</i>	Ex30	chr11	108163344	108163522	NM_000051
<i>ATM</i>	Ex31	chr11	108164038	108164206	NM_000051
<i>ATM</i>	Ex32	chr11	108165652	108165788	NM_000051
<i>ATM</i>	Ex33	chr11	108168012	108168111	NM_000051
<i>ATM</i>	Ex34	chr11	108170439	108170614	NM_000051
<i>ATM</i>	Ex35	chr11	108172373	108172518	NM_000051
<i>ATM</i>	Ex36	chr11	108173578	108173758	NM_000051
<i>ATM</i>	Ex37	chr11	108175400	108175581	NM_000051
<i>ATM</i>	Ex38	chr11	108178622	108178713	NM_000051
<i>ATM</i>	Ex39	chr11	108180885	108181044	NM_000051
<i>ATM</i>	Ex40	chr11	108183136	108183227	NM_000051
<i>ATM</i>	Ex41	chr11	108186548	108186640	NM_000051
<i>ATM</i>	Ex42	chr11	108186736	108186842	NM_000051
<i>ATM</i>	Ex43	chr11	108188098	108188250	NM_000051
<i>ATM</i>	Ex44	chr11	108190679	108190787	NM_000051
<i>ATM</i>	Ex45	chr11	108192026	108192149	NM_000051
<i>ATM</i>	Ex46	chr11	108196035	108196273	NM_000051
<i>ATM</i>	Ex47	chr11	108196783	108196954	NM_000051
<i>ATM</i>	Ex48	chr11	108198370	108198487	NM_000051
<i>ATM</i>	Ex49	chr11	108199746	108199967	NM_000051
<i>ATM</i>	Ex50	chr11	108200939	108201150	NM_000051
<i>ATM</i>	Ex51	chr11	108202169	108202286	NM_000051
<i>ATM</i>	Ex52	chr11	108202604	108202766	NM_000051
<i>ATM</i>	Ex53	chr11	108203487	108203629	NM_000051
<i>ATM</i>	Ex54	chr11	108204611	108204697	NM_000051
<i>ATM</i>	Ex55	chr11	108205694	108205838	NM_000051
<i>ATM</i>	Ex56	chr11	108206570	108206690	NM_000051
<i>ATM</i>	Ex57	chr11	108213947	108214100	NM_000051
<i>ATM</i>	Ex58	chr11	108216468	108216637	NM_000051
<i>ATM</i>	Ex59	chr11	108218004	108218094	NM_000051
<i>ATM</i>	Ex60	chr11	108224491	108224609	NM_000051
<i>ATM</i>	Ex61	chr11	108225536	108225603	NM_000051
<i>ATM</i>	Ex62	chr11	108235807	108235947	NM_000051
<i>ATM</i>	Ex63	chr11	108236050	108236237	NM_000051
<i>BARD1</i>	Ex1	chr2	215674134	215674295	NM_000465
<i>BARD1</i>	Ex2	chr2	215661783	215661843	NM_000465
<i>BARD1</i>	Ex3	chr2	215657019	215657171	NM_000465
<i>BARD1</i>	Ex4	chr2	215645282	215646235	NM_000465

Targeted Genes and Methodology Details for MayoComplete Bladder/Prostate Panel (continued)

Gene	Exon	Chromosome	Genomic Start	Genomic End	Transcript
<i>BARD1</i>	Ex5	chr2	215633954	215634038	NM_000465
<i>BARD1</i>	Ex6	chr2	215632204	215632380	NM_000465
<i>BARD1</i>	Ex7	chr2	215617169	215617281	NM_000465
<i>BARD1</i>	Ex8	chr2	215610444	215610580	NM_000465
<i>BARD1</i>	Ex9	chr2	215609789	215609885	NM_000465
<i>BARD1</i>	Ex10	chr2	215595133	215595234	NM_000465
<i>BARD1</i>	Ex11	chr2	215593398	215593734	NM_000465
<i>BRCA1</i>	Ex2	chr17	41276032	41276115	NM_007294
<i>BRCA1</i>	Ex3	chr17	41267741	41267798	NM_007294
<i>BRCA1</i>	Ex4	chr17	41258471	41258552	NM_007294
<i>BRCA1</i>	Ex5	chr17	41256883	41256975	NM_007294
<i>BRCA1</i>	Ex6	chr17	41256137	41256280	NM_007294
<i>BRCA1</i>	Ex7	chr17	41251790	41251899	NM_007294
<i>BRCA1</i>	Ex8	chr17	41249259	41249308	NM_007294
<i>BRCA1</i>	Ex9	chr17	41247861	41247941	NM_007294
<i>BRCA1</i>	Ex10	chr17	41243450	41246879	NM_007294
<i>BRCA1</i>	Ex11	chr17	41242959	41243051	NM_007294
<i>BRCA1</i>	Ex12	chr17	41234419	41234594	NM_007294
<i>BRCA1</i>	Ex13	chr17	41228503	41228633	NM_007294
<i>BRCA1</i>	Ex14	chr17	41226346	41226540	NM_007294
<i>BRCA1</i>	Ex15	chr17	41222943	41223257	NM_007294
<i>BRCA1</i>	Ex16	chr17	41219623	41219714	NM_007294
<i>BRCA1</i>	Ex17	chr17	41215889	41215970	NM_007294
<i>BRCA1</i>	Ex18	chr17	41215348	41215392	NM_007294
<i>BRCA1</i>	Ex19	chr17	41209067	41209154	NM_007294
<i>BRCA1</i>	Ex20	chr17	41203078	41203136	NM_007294
<i>BRCA1</i>	Ex21	chr17	41201136	41201213	NM_007294
<i>BRCA1</i>	Ex22	chr17	41199658	41199722	NM_007294
<i>BRCA1</i>	Ex23	chr17	41197693	41197821	NM_007294
<i>BRCA2</i>	Ex2	chr13	32890596	32890666	NM_000059
<i>BRCA2</i>	Ex3	chr13	32893212	32893464	NM_000059
<i>BRCA2</i>	Ex4	chr13	32899211	32899323	NM_000059
<i>BRCA2</i>	Ex5	chr13	32900236	32900289	NM_000059
<i>BRCA2</i>	Ex6	chr13	32900377	32900421	NM_000059
<i>BRCA2</i>	Ex7	chr13	32900634	32900752	NM_000059
<i>BRCA2</i>	Ex8	chr13	32903578	32903631	NM_000059
<i>BRCA2</i>	Ex9	chr13	32905054	32905169	NM_000059
<i>BRCA2</i>	Ex10	chr13	32906407	32907526	NM_000059
<i>BRCA2</i>	Ex11	chr13	32910400	32915335	NM_000059
<i>BRCA2</i>	Ex12	chr13	32918693	32918792	NM_000059

Targeted Genes and Methodology Details for MayoComplete Bladder/Prostate Panel (continued)

Gene	Exon	Chromosome	Genomic Start	Genomic End	Transcript
<i>BRCA2</i>	Ex13	chr13	32920962	32921035	NM_000059
<i>BRCA2</i>	Ex14	chr13	32928996	32929427	NM_000059
<i>BRCA2</i>	Ex15	chr13	32930563	32930748	NM_000059
<i>BRCA2</i>	Ex16	chr13	32931877	32932068	NM_000059
<i>BRCA2</i>	Ex17	chr13	32936658	32936832	NM_000059
<i>BRCA2</i>	Ex18	chr13	32937314	32937672	NM_000059
<i>BRCA2</i>	Ex19	chr13	32944537	32944696	NM_000059
<i>BRCA2</i>	Ex20	chr13	32945091	32945239	NM_000059
<i>BRCA2</i>	Ex21	chr13	32950805	32950930	NM_000059
<i>BRCA2</i>	Ex22	chr13	32953452	32953654	NM_000059
<i>BRCA2</i>	Ex23	chr13	32953885	32954052	NM_000059
<i>BRCA2</i>	Ex24	chr13	32954142	32954284	NM_000059
<i>BRCA2</i>	Ex25	chr13	32968824	32969072	NM_000059
<i>BRCA2</i>	Ex26	chr13	32971033	32971183	NM_000059
<i>BRCA2</i>	Ex27	chr13	32972297	32972909	NM_000059
<i>BRIP1</i>	Ex2	chr17	59938806	59938902	NM_032043
<i>BRIP1</i>	Ex3	chr17	59937155	59937270	NM_032043
<i>BRIP1</i>	Ex4	chr17	59934417	59934594	NM_032043
<i>BRIP1</i>	Ex5	chr17	59926488	59926619	NM_032043
<i>BRIP1</i>	Ex6	chr17	59924460	59924583	NM_032043
<i>BRIP1</i>	Ex7	chr17	59885826	59886120	NM_032043
<i>BRIP1</i>	Ex8	chr17	59878612	59878837	NM_032043
<i>BRIP1</i>	Ex9	chr17	59876459	59876662	NM_032043
<i>BRIP1</i>	Ex10	chr17	59870956	59871092	NM_032043
<i>BRIP1</i>	Ex11	chr17	59861629	59861787	NM_032043
<i>BRIP1</i>	Ex12	chr17	59858199	59858368	NM_032043
<i>BRIP1</i>	Ex13	chr17	59857620	59857764	NM_032043
<i>BRIP1</i>	Ex14	chr17	59853760	59853925	NM_032043
<i>BRIP1</i>	Ex15	chr17	59821791	59821954	NM_032043
<i>BRIP1</i>	Ex16	chr17	59820372	59820497	NM_032043
<i>BRIP1</i>	Ex17	chr17	59793310	59793426	NM_032043
<i>BRIP1</i>	Ex18	chr17	59770789	59770875	NM_032043
<i>BRIP1</i>	Ex19	chr17	59763195	59763528	NM_032043
<i>BRIP1</i>	Ex20	chr17	59760655	59761503	NM_032043
<i>CDH1</i>	Ex1	chr16	68771317	68771368	NM_004360
<i>CDH1</i>	Ex2	chr16	68772198	68772316	NM_004360
<i>CDH1</i>	Ex3	chr16	68835571	68835798	NM_004360
<i>CDH1</i>	Ex4	chr16	68842325	68842472	NM_004360
<i>CDH1</i>	Ex5	chr16	68842594	68842753	NM_004360
<i>CDH1</i>	Ex6	chr16	68844098	68844246	NM_004360

Targeted Genes and Methodology Details for MayoComplete Bladder/Prostate Panel (continued)

Gene	Exon	Chromosome	Genomic Start	Genomic End	Transcript
<i>CDH1</i>	Ex7	chr16	68845585	68845764	NM_004360
<i>CDH1</i>	Ex8	chr16	68846036	68846168	NM_004360
<i>CDH1</i>	Ex9	chr16	68847214	68847400	NM_004360
<i>CDH1</i>	Ex10	chr16	68849416	68849664	NM_004360
<i>CDH1</i>	Ex11	chr16	68853181	68853330	NM_004360
<i>CDH1</i>	Ex12	chr16	68855902	68856130	NM_004360
<i>CDH1</i>	Ex13	chr16	68857300	68857531	NM_004360
<i>CDH1</i>	Ex14	chr16	68862075	68862209	NM_004360
<i>CDH1</i>	Ex15	chr16	68863555	68863702	NM_004360
<i>CDH1</i>	Ex16	chr16	68867191	68867404	NM_004360
<i>CDK12</i>	Ex1	chr17	37618323	37619372	NM_016507
<i>CDK12</i>	Ex2	chr17	37627130	37628018	NM_016507
<i>CDK12</i>	Ex3	chr17	37646808	37646988	NM_016507
<i>CDK12</i>	Ex4	chr17	37649002	37649145	NM_016507
<i>CDK12</i>	Ex5	chr17	37650775	37650949	NM_016507
<i>CDK12</i>	Ex6	chr17	37657501	37657694	NM_016507
<i>CDK12</i>	Ex7	chr17	37665956	37666016	NM_016507
<i>CDK12</i>	Ex8	chr17	37667780	37667885	NM_016507
<i>CDK12</i>	Ex9	chr17	37671982	37672063	NM_016507
<i>CDK12</i>	Ex10	chr17	37673691	37673811	NM_016507
<i>CDK12</i>	Ex11	chr17	37676207	37676342	NM_016507
<i>CDK12</i>	Ex12	chr17	37680925	37681140	NM_016507
<i>CDK12</i>	Ex13	chr17	37682115	37682571	NM_016507
<i>CDK12</i>	Ex14	chr17	37686855	37687571	NM_016507
<i>CDKN2A</i>	Ex1	chr9	21974675	21974828	NM_000077
<i>CDKN2A</i>	Ex2	chr9	21970899	21971209	NM_000077
<i>CDKN2A</i>	Ex3	chr9	21968226	21968243	NM_000077
<i>CHD1</i>	Ex2	chr5	98262036	98262092	NM_001270
<i>CHD1</i>	Ex3	chr5	98240599	98240804	NM_001270
<i>CHD1</i>	Ex4	chr5	98239494	98239614	NM_001270
<i>CHD1</i>	Ex5	chr5	98238602	98238670	NM_001270
<i>CHD1</i>	Ex6	chr5	98236888	98237041	NM_001270
<i>CHD1</i>	Ex7	chr5	98236513	98236788	NM_001270
<i>CHD1</i>	Ex8	chr5	98235182	98235411	NM_001270
<i>CHD1</i>	Ex9	chr5	98234366	98234470	NM_001270
<i>CHD1</i>	Ex10	chr5	98233958	98234140	NM_001270
<i>CHD1</i>	Ex11	chr5	98232895	98233026	NM_001270
<i>CHD1</i>	Ex12	chr5	98231928	98232148	NM_001270
<i>CHD1</i>	Ex13	chr5	98230299	98230392	NM_001270
<i>CHD1</i>	Ex14	chr5	98229118	98229312	NM_001270

Targeted Genes and Methodology Details for MayoComplete Bladder/Prostate Panel (continued)

Gene	Exon	Chromosome	Genomic Start	Genomic End	Transcript
<i>CHD1</i>	Ex15	chr5	98228227	98228419	NM_001270
<i>CHD1</i>	Ex16	chr5	98224778	98224944	NM_001270
<i>CHD1</i>	Ex17	chr5	98223790	98223946	NM_001270
<i>CHD1</i>	Ex18	chr5	98221280	98221355	NM_001270
<i>CHD1</i>	Ex19	chr5	98218790	98218943	NM_001270
<i>CHD1</i>	Ex20	chr5	98217677	98217829	NM_001270
<i>CHD1</i>	Ex21	chr5	98216981	98217081	NM_001270
<i>CHD1</i>	Ex22	chr5	98216778	98216877	NM_001270
<i>CHD1</i>	Ex23	chr5	98215254	98215434	NM_001270
<i>CHD1</i>	Ex24	chr5	98212100	98212264	NM_001270
<i>CHD1</i>	Ex25	chr5	98210774	98210819	NM_001270
<i>CHD1</i>	Ex26	chr5	98209295	98209429	NM_001270
<i>CHD1</i>	Ex27	chr5	98208119	98208261	NM_001270
<i>CHD1</i>	Ex28	chr5	98207753	98207907	NM_001270
<i>CHD1</i>	Ex29	chr5	98206389	98206509	NM_001270
<i>CHD1</i>	Ex30	chr5	98205456	98205588	NM_001270
<i>CHD1</i>	Ex31	chr5	98204197	98204341	NM_001270
<i>CHD1</i>	Ex32	chr5	98199110	98199292	NM_001270
<i>CHD1</i>	Ex33	chr5	98195674	98195774	NM_001270
<i>CHD1</i>	Ex34	chr5	98194666	98194721	NM_001270
<i>CHD1</i>	Ex35	chr5	98193882	98194096	NM_001270
<i>CHD1</i>	Ex36	chr5	98192082	98192431	NM_001270
<i>CHEK1</i>	Ex2	chr11	125496662	125496730	NM_00114122
<i>CHEK1</i>	Ex3	chr11	125497500	125497727	NM_00114122
<i>CHEK1</i>	Ex4	chr11	125499125	125499193	NM_00114122
<i>CHEK1</i>	Ex5	chr11	125499284	125499357	NM_00114122
<i>CHEK1</i>	Ex6	chr11	125503056	125503248	NM_00114122
<i>CHEK1</i>	Ex7	chr11	125505322	125505430	NM_00114122
<i>CHEK1</i>	Ex8	chr11	125507342	125507441	NM_00114122
<i>CHEK1</i>	Ex9	chr11	125513685	125513797	NM_00114122
<i>CHEK1</i>	Ex10	chr11	125513984	125514165	NM_00114122
<i>CHEK1</i>	Ex11	chr11	125514405	125514540	NM_00114122
<i>CHEK1</i>	Ex12	chr11	125523639	125523744	NM_00114122
<i>CHEK1</i>	Ex13	chr11	125525118	125525217	NM_00114122
<i>CHEK2</i>	Ex2	chr22	29130389	29130711	NM_001005735
<i>CHEK2</i>	Ex3	chr22	29126406	29126527	NM_001005735
<i>CHEK2</i>	Ex4	chr22	29121229	29121357	NM_001005735
<i>CHEK2</i>	Ex5	chr22	29120963	29121114	NM_001005735
<i>CHEK2</i>	Ex6	chr22	29115381	29115475	NM_001005735
<i>CHEK2</i>	Ex7	chr22	29107895	29108007	NM_001005735

Targeted Genes and Methodology Details for MayoComplete Bladder/Prostate Panel (continued)

Gene	Exon	Chromosome	Genomic Start	Genomic End	Transcript
<i>CHEK2</i>	Ex8	chr22	29105992	29106049	NM_001005735
<i>CHEK2</i>	Ex9	chr22	29099491	29099556	NM_001005735
<i>CHEK2</i>	Ex10	chr22	29095824	29095927	NM_001005735
<i>CHEK2</i>	Ex11	chr22	29092887	29092977	NM_001005735
<i>CHEK2</i>	Ex12	chr22	29091696	29091863	NM_001005735
<i>CHEK2</i>	Ex13	chr22	29091113	29091232	NM_001005735
<i>CHEK2</i>	Ex14	chr22	29090018	29090107	NM_001005735
<i>CHEK2</i>	Ex15	chr22	29085121	29085205	NM_001005735
<i>CHEK2</i>	Ex16	chr22	29083883	29083976	NM_001005735
<i>CTNNB1</i>	Ex2	chr3	41265558	41265574	NM_001904
<i>CTNNB1</i>	Ex3	chr3	41266015	41266246	NM_001904
<i>CTNNB1</i>	Ex4	chr3	41266443	41266700	NM_001904
<i>CTNNB1</i>	Ex5	chr3	41266823	41267065	NM_001904
<i>CTNNB1</i>	Ex6	chr3	41267149	41267354	NM_001904
<i>CTNNB1</i>	Ex7	chr3	41268697	41268845	NM_001904
<i>CTNNB1</i>	Ex8	chr3	41274830	41274937	NM_001904
<i>CTNNB1</i>	Ex9	chr3	41275018	41275360	NM_001904
<i>CTNNB1</i>	Ex10	chr3	41275628	41275790	NM_001904
<i>CTNNB1</i>	Ex11	chr3	41277213	41277336	NM_001904
<i>CTNNB1</i>	Ex12	chr3	41277838	41277992	NM_001904
<i>CTNNB1</i>	Ex13	chr3	41278077	41278202	NM_001904
<i>CTNNB1</i>	Ex14	chr3	41279505	41279569	NM_001904
<i>CTNNB1</i>	Ex15	chr3	41280623	41280835	NM_001904
<i>EGFR</i>	Ex1	chr7	55086969	55087060	NM_005228
<i>EGFR</i>	Ex2	chr7	55209977	55210132	NM_005228
<i>EGFR</i>	Ex3	chr7	55210996	55211183	NM_005228
<i>EGFR</i>	Ex4	chr7	55214297	55214435	NM_005228
<i>EGFR</i>	Ex5	chr7	55218985	55219057	NM_005228
<i>EGFR</i>	Ex6	chr7	55220237	55220359	NM_005228
<i>EGFR</i>	Ex7	chr7	55221702	55221847	NM_005228
<i>EGFR</i>	Ex8	chr7	55223521	55223641	NM_005228
<i>EGFR</i>	Ex9	chr7	55224224	55224354	NM_005228
<i>EGFR</i>	Ex10	chr7	55224450	55224527	NM_005228
<i>EGFR</i>	Ex11	chr7	55225354	55225448	NM_005228
<i>EGFR</i>	Ex12	chr7	55227830	55228033	NM_005228
<i>EGFR</i>	Ex13	chr7	55229190	55229326	NM_005228
<i>EGFR</i>	Ex14	chr7	55231424	55231518	NM_005228
<i>EGFR</i>	Ex15	chr7	55232971	55233132	NM_005228
<i>EGFR</i>	Ex16	chr7	55238866	55238908	NM_005228
<i>EGFR</i>	Ex17	chr7	55240674	55240819	NM_005228

Targeted Genes and Methodology Details for MayoComplete Bladder/Prostate Panel (continued)

Gene	Exon	Chromosome	Genomic Start	Genomic End	Transcript
<i>EGFR</i>	Ex18	chr7	55241612	55241738	NM_005228
<i>EGFR</i>	Ex19	chr7	55242413	55242515	NM_005228
<i>EGFR</i>	Ex20	chr7	55248984	55249173	NM_005228
<i>EGFR</i>	Ex21	chr7	55259410	55259569	NM_005228
<i>EGFR</i>	Ex22	chr7	55260457	55260536	NM_005228
<i>EGFR</i>	Ex23	chr7	55266408	55266558	NM_005228
<i>EGFR</i>	Ex24	chr7	55268007	55268108	NM_005228
<i>EGFR</i>	Ex25	chr7	55268879	55269050	NM_005228
<i>EGFR</i>	Ex26	chr7	55269426	55269477	NM_005228
<i>EGFR</i>	Ex27	chr7	55270208	55270320	NM_005228
<i>EGFR</i>	Ex28	chr7	55272947	55273312	NM_005228
<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>ERCC2</i>	Ex1	chr19	45873792	45873800	NM_000400
<i>ERCC2</i>	Ex2	chr19	45873389	45873492	NM_000400

Targeted Genes and Methodology Details for MayoComplete Bladder/Prostate Panel (continued)

Gene	Exon	Chromosome	Genomic Start	Genomic End	Transcript
ERCC2	Ex3	chr19	45872326	45872407	NM_000400
ERCC2	Ex4	chr19	45872186	45872252	NM_000400
ERCC2	Ex5	chr19	45871886	45872003	NM_000400
ERCC2	Ex6	chr19	45868298	45868418	NM_000400
ERCC2	Ex7	chr19	45868094	45868214	NM_000400
ERCC2	Ex8	chr19	45867680	45867807	NM_000400
ERCC2	Ex9	chr19	45867491	45867591	NM_000400
ERCC2	Ex10	chr19	45867242	45867379	NM_000400
ERCC2	Ex11	chr19	45866999	45867171	NM_000400
ERCC2	Ex12	chr19	45864780	45864902	NM_000400
ERCC2	Ex13	chr19	45860886	45860959	NM_000400
ERCC2	Ex14	chr19	45860730	45860803	NM_000400
ERCC2	Ex15	chr19	45860526	45860631	NM_000400
ERCC2	Ex16	chr19	45858921	45858988	NM_000400
ERCC2	Ex17	chr19	45857986	45858111	NM_000400
ERCC2	Ex18	chr19	45856498	45856594	NM_000400
ERCC2	Ex19	chr19	45856339	45856415	NM_000400
ERCC2	Ex20	chr19	45856002	45856076	NM_000400
ERCC2	Ex21	chr19	45855762	45855909	NM_000400
ERCC2	Ex22	chr19	45855465	45855612	NM_000400
ERCC2	Ex23	chr19	45854885	45854981	NM_000400
FANCA	Ex1	chr16	89882943	89883025	NM_000135
FANCA	Ex2	chr16	89882283	89882396	NM_000135
FANCA	Ex3	chr16	89880926	89881023	NM_000135
FANCA	Ex4	chr16	89877335	89877481	NM_000135
FANCA	Ex5	chr16	89877113	89877212	NM_000135
FANCA	Ex6	chr16	89874700	89874777	NM_000135
FANCA	Ex7	chr16	89871686	89871802	NM_000135
FANCA	Ex8	chr16	89869665	89869751	NM_000135
FANCA	Ex9	chr16	89866011	89866048	NM_000135
FANCA	Ex10	chr16	89865572	89865642	NM_000135
FANCA	Ex11	chr16	89862312	89862428	NM_000135
FANCA	Ex12	chr16	89858877	89858957	NM_000135
FANCA	Ex13	chr16	89858333	89858478	NM_000135
FANCA	Ex14	chr16	89857809	89857946	NM_000135
FANCA	Ex15	chr16	89851260	89851374	NM_000135
FANCA	Ex16	chr16	89849413	89849512	NM_000135
FANCA	Ex17	chr16	89849265	89849328	NM_000135
FANCA	Ex18	chr16	89846275	89846367	NM_000135
FANCA	Ex19	chr16	89845349	89845413	NM_000135

Targeted Genes and Methodology Details for MayoComplete Bladder/Prostate Panel (continued)

Gene	Exon	Chromosome	Genomic Start	Genomic End	Transcript
FANCA	Ex20	chr16	89845207	89845260	NM_000135
FANCA	Ex21	chr16	89842148	89842225	NM_000135
FANCA	Ex22	chr16	89839677	89839794	NM_000135
FANCA	Ex23	chr16	89838084	89838224	NM_000135
FANCA	Ex24	chr16	89836970	89837044	NM_000135
FANCA	Ex25	chr16	89836572	89836669	NM_000135
FANCA	Ex26	chr16	89836243	89836434	NM_000135
FANCA	Ex27	chr16	89833547	89833647	NM_000135
FANCA	Ex28	chr16	89831296	89831476	NM_000135
FANCA	Ex29	chr16	89828355	89828432	NM_000135
FANCA	Ex30	chr16	89824983	89825115	NM_000135
FANCA	Ex31	chr16	89818544	89818632	NM_000135
FANCA	Ex32	chr16	89816136	89816312	NM_000135
FANCA	Ex33	chr16	89815065	89815177	NM_000135
FANCA	Ex34	chr16	89813237	89813300	NM_000135
FANCA	Ex35	chr16	89812990	89813098	NM_000135
FANCA	Ex36	chr16	89811365	89811481	NM_000135
FANCA	Ex37	chr16	89809206	89809348	NM_000135
FANCA	Ex38	chr16	89807210	89807276	NM_000135
FANCA	Ex39	chr16	89806400	89806509	NM_000135
FANCA	Ex40	chr16	89805884	89805963	NM_000135
FANCA	Ex41	chr16	89805539	89805699	NM_000135
FANCA	Ex42	chr16	89805288	89805384	NM_000135
FANCA	Ex43	chr16	89805007	89805118	NM_000135
FANCC	Ex2	chr9	98011407	98011575	NM_000136
FANCC	Ex3	chr9	98009712	98009800	NM_000136
FANCC	Ex4	chr9	98002929	98003027	NM_000136
FANCC	Ex5	chr9	97934317	97934431	NM_000136
FANCC	Ex6	chr9	97933359	97933427	NM_000136
FANCC	Ex7	chr9	97912203	97912371	NM_000136
FANCC	Ex8	chr9	97897626	97897786	NM_000136
FANCC	Ex9	chr9	97888809	97888865	NM_000136
FANCC	Ex10	chr9	97887366	97887469	NM_000136
FANCC	Ex11	chr9	97879595	97879674	NM_000136
FANCC	Ex12	chr9	97876909	97876994	NM_000136
FANCC	Ex13	chr9	97873743	97873921	NM_000136
FANCC	Ex14	chr9	97869346	97869553	NM_000136
FANCC	Ex15	chr9	97863987	97864134	NM_000136
FANCL	Ex1	chr2	58468351	58468450	NM_018062
FANCL	Ex2	chr2	58459187	58459249	NM_018062

Targeted Genes and Methodology Details for MayoComplete Bladder/Prostate Panel (continued)

Gene	Exon	Chromosome	Genomic Start	Genomic End	Transcript
<i>FANCL</i>	Ex3	chr2	58456947	58457011	NM_018062
<i>FANCL</i>	Ex4	chr2	58453861	58453921	NM_018062
<i>FANCL</i>	Ex5	chr2	58449075	58449179	NM_018062
<i>FANCL</i>	Ex6	chr2	58431263	58431363	NM_018062
<i>FANCL</i>	Ex7	chr2	58425727	58425799	NM_018062
<i>FANCL</i>	Ex8	chr2	58392857	58393011	NM_018062
<i>FANCL</i>	Ex9	chr2	58390567	58390654	NM_018062
<i>FANCL</i>	Ex10	chr2	58390162	58390211	NM_018062
<i>FANCL</i>	Ex11	chr2	58389999	58390084	NM_018062
<i>FANCL</i>	Ex12	chr2	58388655	58388775	NM_018062
<i>FANCL</i>	Ex13	chr2	58387241	58387316	NM_018062
<i>FANCL</i>	Ex14	chr2	58386898	58386937	NM_018062
<i>FGFR1</i>	Ex2	chr8	38314872	38314966	NM_023110
<i>FGFR1</i>	Ex3	chr8	38287198	38287468	NM_023110
<i>FGFR1</i>	Ex4	chr8	38285862	38285955	NM_023110
<i>FGFR1</i>	Ex5	chr8	38285437	38285613	NM_023110
<i>FGFR1</i>	Ex6	chr8	38283638	38283765	NM_023110
<i>FGFR1</i>	Ex7	chr8	38282025	38282219	NM_023110
<i>FGFR1</i>	Ex8	chr8	38279313	38279461	NM_023110
<i>FGFR1</i>	Ex9	chr8	38277049	38277255	NM_023110
<i>FGFR1</i>	Ex10	chr8	38275744	38275893	NM_023110
<i>FGFR1</i>	Ex11	chr8	38275386	38275511	NM_023110
<i>FGFR1</i>	Ex12	chr8	38274822	38274936	NM_023110
<i>FGFR1</i>	Ex13	chr8	38273386	38273580	NM_023110
<i>FGFR1</i>	Ex14	chr8	38272295	38272421	NM_023110
<i>FGFR1</i>	Ex15	chr8	38272075	38272149	NM_023110
<i>FGFR1</i>	Ex16	chr8	38271668	38271809	NM_023110
<i>FGFR1</i>	Ex17	chr8	38271434	38271543	NM_023110
<i>FGFR1</i>	Ex18	chr8	38271144	38271324	NM_023110
<i>FGFR2</i>	Ex2	chr10	123353221	123353333	NM_000141
<i>FGFR2</i>	Ex3	chr10	123324950	123325220	NM_000141
<i>FGFR2</i>	Ex4	chr10	123324014	123324095	NM_000141
<i>FGFR2</i>	Ex5	chr10	123310802	123310975	NM_000141
<i>FGFR2</i>	Ex6	chr10	123298104	123298231	NM_000141
<i>FGFR2</i>	Ex7	chr10	123279491	123279685	NM_000141
<i>FGFR2</i>	Ex8	chr10	123276831	123276979	NM_000141
<i>FGFR2</i>	Ex9	chr10	123274629	123274835	NM_000141
<i>FGFR2</i>	Ex10	chr10	123263302	123263457	NM_000141
<i>FGFR2</i>	Ex11	chr10	123260338	123260463	NM_000141
<i>FGFR2</i>	Ex12	chr10	123258007	123258121	NM_000141

Targeted Genes and Methodology Details for MayoComplete Bladder/Prostate Panel (continued)

Gene	Exon	Chromosome	Genomic Start	Genomic End	Transcript
<i>FGFR2</i>	Ex13	chr10	123256044	123256238	NM_000141
<i>FGFR2</i>	Ex14	chr10	123247503	123247629	NM_000141
<i>FGFR2</i>	Ex15	chr10	123246866	123246940	NM_000141
<i>FGFR2</i>	Ex16	chr10	123244907	123245048	NM_000141
<i>FGFR2</i>	Ex17	chr10	123243210	123243319	NM_000141
<i>FGFR2</i>	Ex18	chr10	123239369	123239537	NM_000141
<i>FGFR3</i>	Ex2	chr4	1795660	1795772	NM_000142
<i>FGFR3</i>	Ex3	chr4	1800979	1801252	NM_000142
<i>FGFR3</i>	Ex4	chr4	1801472	1801541	NM_000142
<i>FGFR3</i>	Ex5	chr4	1803092	1803265	NM_000142
<i>FGFR3</i>	Ex6	chr4	1803345	1803472	NM_000142
<i>FGFR3</i>	Ex7	chr4	1803560	1803754	NM_000142
<i>FGFR3</i>	Ex8	chr4	1805417	1805565	NM_000142
<i>FGFR3</i>	Ex9	chr4	1806055	1806249	NM_000142
<i>FGFR3</i>	Ex10	chr4	1806549	1806698	NM_000142
<i>FGFR3</i>	Ex11	chr4	1807080	1807205	NM_000142
<i>FGFR3</i>	Ex12	chr4	1807284	1807398	NM_000142
<i>FGFR3</i>	Ex13	chr4	1807475	1807669	NM_000142
<i>FGFR3</i>	Ex14	chr4	1807776	1807902	NM_000142
<i>FGFR3</i>	Ex15	chr4	1807982	1808056	NM_000142
<i>FGFR3</i>	Ex16	chr4	1808271	1808412	NM_000142
<i>FGFR3</i>	Ex17	chr4	1808554	1808663	NM_000142
<i>FGFR3</i>	Ex18	chr4	1808841	1808991	NM_000142
<i>FOXA1</i>	Ex1	chr14	38064104	38064179	NM_004496
<i>FOXA1</i>	Ex2	chr14	38060568	38061918	NM_004496
<i>MLH1</i>	Ex1	chr3	37035037	37035156	NM_000249
<i>MLH1</i>	Ex2	chr3	37038108	37038202	NM_000249
<i>MLH1</i>	Ex3	chr3	37042444	37042546	NM_000249
<i>MLH1</i>	Ex4	chr3	37045890	37045967	NM_000249
<i>MLH1</i>	Ex5	chr3	37048480	37048556	NM_000249
<i>MLH1</i>	Ex6	chr3	37050303	37050398	NM_000249
<i>MLH1</i>	Ex7	chr3	37053309	37053355	NM_000249
<i>MLH1</i>	Ex8	chr3	37053500	37053592	NM_000249
<i>MLH1</i>	Ex9	chr3	37055921	37056037	NM_000249
<i>MLH1</i>	Ex10	chr3	37058995	37059092	NM_000249
<i>MLH1</i>	Ex11	chr3	37061799	37061956	NM_000249
<i>MLH1</i>	Ex12	chr3	37067126	37067500	NM_000249
<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

Targeted Genes and Methodology Details for MayoComplete Bladder/Prostate Panel (continued)

Gene	Exon	Chromosome	Genomic Start	Genomic End	Transcript
<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>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

Targeted Genes and Methodology Details for MayoComplete Bladder/Prostate Panel (continued)

Gene	Exon	Chromosome	Genomic Start	Genomic End	Transcript
<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>PTEN</i>	Ex1	chr10	89624225	89624307	NM_000314
<i>PTEN</i>	Ex2	chr10	89653780	89653868	NM_000314
<i>PTEN</i>	Ex3	chr10	89685268	89685316	NM_000314
<i>PTEN</i>	Ex4	chr10	89690801	89690848	NM_000314
<i>PTEN</i>	Ex5	chr10	89692768	89693010	NM_000314
<i>PTEN</i>	Ex6	chr10	89711873	89712018	NM_000314
<i>PTEN</i>	Ex7	chr10	89717608	89717778	NM_000314
<i>PTEN</i>	Ex8	chr10	89720649	89720877	NM_000314
<i>RAD51B</i>	Ex2	chr14	68290259	68290346	NM_133510
<i>RAD51B</i>	Ex3	chr14	68292179	68292296	NM_133510
<i>RAD51B</i>	Ex4	chr14	68301795	68301915	NM_133510
<i>RAD51B</i>	Ex5	chr14	68331718	68331858	NM_133510
<i>RAD51B</i>	Ex6	chr14	68352584	68352707	NM_133510
<i>RAD51B</i>	Ex7	chr14	68353736	68353923	NM_133510
<i>RAD51B</i>	Ex8	chr14	68758599	68758699	NM_133510
<i>RAD51B</i>	Ex9	chr14	68878139	68878246	NM_133510
<i>RAD51B</i>	Ex10	chr14	68934887	68934969	NM_133510
<i>RAD51B</i>	Ex11	chr14	68944363	68944383	NM_133510
<i>RAD51C</i>	Ex1	chr17	56770003	56770151	NM_058216
<i>RAD51C</i>	Ex2	chr17	56772290	56772552	NM_058216
<i>RAD51C</i>	Ex3	chr17	56774052	56774222	NM_058216
<i>RAD51C</i>	Ex4	chr17	56780555	56780692	NM_058216

Targeted Genes and Methodology Details for MayoComplete Bladder/Prostate Panel (continued)

Gene	Exon	Chromosome	Genomic Start	Genomic End	Transcript
<i>RAD51C</i>	Ex5	chr17	56787218	56787353	NM_058216
<i>RAD51C</i>	Ex6	chr17	56798105	56798175	NM_058216
<i>RAD51C</i>	Ex7	chr17	56801399	56801463	NM_058216
<i>RAD51C</i>	Ex8	chr17	56809843	56809907	NM_058216
<i>RAD51C</i>	Ex9	chr17	56811477	56811585	NM_058216
<i>RAD51D</i>	Ex1	chr17	33446549	33446634	NM_002878
<i>RAD51D</i>	Ex2	chr17	33446128	33446193	NM_002878
<i>RAD51D</i>	Ex3	chr17	33445518	33445640	NM_002878
<i>RAD51D</i>	Ex4	chr17	33434383	33434468	NM_002878
<i>RAD51D</i>	Ex5	chr17	33434005	33434143	NM_002878
<i>RAD51D</i>	Ex6	chr17	33433403	33433502	NM_002878
<i>RAD51D</i>	Ex7	chr17	33430471	33430565	NM_002878
<i>RAD51D</i>	Ex8	chr17	33430271	33430345	NM_002878
<i>RAD51D</i>	Ex9	chr17	33428218	33428386	NM_002878
<i>RAD51D</i>	Ex10	chr17	33427970	33428057	NM_002878
<i>RAD54L</i>	Ex1	chr1	46714076	46714082	NM_003579
<i>RAD54L</i>	Ex2	chr1	46714182	46714272	NM_003579
<i>RAD54L</i>	Ex3	chr1	46715670	46715793	NM_003579
<i>RAD54L</i>	Ex4	chr1	46724356	46724420	NM_003579
<i>RAD54L</i>	Ex5	chr1	46725634	46725773	NM_003579
<i>RAD54L</i>	Ex6	chr1	46726212	46726285	NM_003579
<i>RAD54L</i>	Ex7	chr1	46726397	46726689	NM_003579
<i>RAD54L</i>	Ex8	chr1	46726931	46727059	NM_003579
<i>RAD54L</i>	Ex9	chr1	46733129	46733283	NM_003579
<i>RAD54L</i>	Ex10	chr1	46736329	46736459	NM_003579
<i>RAD54L</i>	Ex11	chr1	46738136	46738214	NM_003579
<i>RAD54L</i>	Ex12	chr1	46738342	46738476	NM_003579
<i>RAD54L</i>	Ex13	chr1	46739025	46739139	NM_003579
<i>RAD54L</i>	Ex14	chr1	46739294	46739421	NM_003579
<i>RAD54L</i>	Ex15	chr1	46739808	46739890	NM_003579
<i>RAD54L</i>	Ex16	chr1	46740208	46740391	NM_003579
<i>RAD54L</i>	Ex17	chr1	46743487	46743654	NM_003579
<i>RAD54L</i>	Ex18	chr1	46743742	46743956	NM_003579
<i>RB1</i>	Ex1	chr13	48878047	48878187	NM_000321
<i>RB1</i>	Ex2	chr13	48881414	48881544	NM_000321
<i>RB1</i>	Ex3	chr13	48916733	48916852	NM_000321
<i>RB1</i>	Ex4	chr13	48919214	48919337	NM_000321
<i>RB1</i>	Ex5	chr13	48921959	48922001	NM_000321
<i>RB1</i>	Ex6	chr13	48923090	48923161	NM_000321
<i>RB1</i>	Ex7	chr13	48934151	48934265	NM_000321

Targeted Genes and Methodology Details for MayoComplete Bladder/Prostate Panel (continued)

Gene	Exon	Chromosome	Genomic Start	Genomic End	Transcript
<i>RB1</i>	Ex8	chr13	48936949	48937095	NM_000321
<i>RB1</i>	Ex9	chr13	48939028	48939109	NM_000321
<i>RB1</i>	Ex10	chr13	48941628	48941741	NM_000321
<i>RB1</i>	Ex11	chr13	48942661	48942742	NM_000321
<i>RB1</i>	Ex12	chr13	48947539	48947630	NM_000321
<i>RB1</i>	Ex13	chr13	48951052	48951172	NM_000321
<i>RB1</i>	Ex14	chr13	48953728	48953788	NM_000321
<i>RB1</i>	Ex16	chr13	48954299	48954379	NM_000321
<i>RB1</i>	Ex17	chr13	48955381	48955581	NM_000321
<i>RB1</i>	Ex18	chr13	49027127	49027249	NM_000321
<i>RB1</i>	Ex19	chr13	49030338	49030487	NM_000321
<i>RB1</i>	Ex20	chr13	49033822	49033971	NM_000321
<i>RB1</i>	Ex21	chr13	49037865	49037973	NM_000321
<i>RB1</i>	Ex22	chr13	49039132	49039249	NM_000321
<i>RB1</i>	Ex23	chr13	49039339	49039506	NM_000321
<i>RB1</i>	Ex24	chr13	49047494	49047528	NM_000321
<i>RB1</i>	Ex25	chr13	49050835	49050981	NM_000321
<i>RB1</i>	Ex26	chr13	49051489	49051542	NM_000321
<i>RB1</i>	Ex27	chr13	49054132	49054209	NM_000321
<i>SPOP</i>	Ex2	chr17	47700093	47700174	NM_001007228
<i>SPOP</i>	Ex3	chr17	47699306	47699431	NM_001007228
<i>SPOP</i>	Ex4	chr17	47696594	47696749	NM_001007228
<i>SPOP</i>	Ex5	chr17	47696341	47696472	NM_001007228
<i>SPOP</i>	Ex6	chr17	47688640	47688821	NM_001007228
<i>SPOP</i>	Ex7	chr17	47685234	47685293	NM_001007228
<i>SPOP</i>	Ex8	chr17	47684610	47684736	NM_001007228
<i>SPOP</i>	Ex9	chr17	47679225	47679371	NM_001007228
<i>SPOP</i>	Ex10	chr17	47677738	47677886	NM_001007228
<i>TERT</i>	Promoter	chr5	1295128	1295350	NM_198253
<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