BCM-MitomeNGS℠ Panels for the Eye

Usher Syndrome (test code: 2195) 9 Genes						
CDH23	CLRN1	DFNB31	GPR98	MYO7A	PCDH15	USH1C
USH1G	USH2A					

Leber Congenital Amaurosis LCA (test code: 5090) 19 Genes						
AIPL1	CABP4	CEP290	CRB1	CRX	GUCY2D	IMPDH1
IQCB1	KCNJ13	LCA5	LRAT	NMNAT1	OTX2	RD3
RDH12	RPE65	RPGRIP1	SPATA7	TULP1		

Retinitis Pigmentosa (test code: 2190) 66 Genes						
ABCA4	ABHD12	AIPL1	BEST1	C2orf71	C8orf37	CA4
CDHR1	CEP290	CERKL	CLRN1	CNGA1	CNGB1	CRB1
CRX	DHDDS	EYS	FAM161A	FLVCR1	FSCN2	GUCA1B
GUCY2D	IDH3B	IMPDH1	IMPG2	KLHL7	LCA5	LRAT
MAK	MERTK	MFRP	NR2E3	NRL	PDE6A	PDE6B
PDE6G	PRCD	PRKCG	PROM1	PRPF3	PRFF31	PRPF6
PRPF8	PRPH2	RBP3	RD3	RDH12	RGR	RHO
RLBP1	ROM1	RP1	RP2	PR9	RPE65	RPGR
RPGRIP1	SAG	SEMA4A	SNRNP200	SPATA7	TOPORS	TTC8
TULP1	USH2A	ZNF513				

Unique Features of BCM-MitomeNGS℠ Panels:

- 100% deep coverage (average800x) of all coding regions of the individual genes in the panel.
- Regions with pseudogenes or high GC content are analyzed by PCR/Sanger Sequencing.
- Detection of single nucleotide mutations and small insertion/deletion mutations.
- Board certified, leading experts in clinical and diagnostic interpretation.

Single gene Sanger Sequencing and Targeted Deletion/Duplication analysis are also available.

MGL
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