

# UNCOVERING RARE OBESITY® PROGRAM

List of genes or region reported:

Gene Symbol or Region (alternate*)	OMIM Gene Number	Gene Symbol or Region (alternate*)	OMIM Gene Number	Gene Symbol or Region (alternate*)	OMIM Gene Number
ADCY3	600291	ISL1	600366	PROK2	607002
AFF4	604417	KIDINS220	615759	RAB23	606144
ALMS1	606844	KSR2	610737	RAI1	607642
ARL6 (BBS3)	608845	LEP	164160	RPGRIP1L	610937
ASIP	600201	LEPR	601007	RPS6KA3	300075
BBIP1 (BBS18)	613605	LRRC45		SCAPER	611611
BBS10	610148	LZTFL1 (BBS17)	606568	SCLT1	611399
BBS12	610683	MAGEL2	605283	SDCCAG8 (BBS16)	613524
BBS1	209901	MC3R	155540	SEMA3A	603961
BBS2	606151	MC4R	155541	SEMA3B	601281
BBS4	600374	MECP2	300005	SEMA3C	602645
BBS5	603650	MKKS (BBS6)	604896	SEMA3D	609907
BBS7	607590	MKS1 (BBS13)	609883	SEMA3E	608166
BBS9 (PTHB1)	607968	MRAP2	615410	SEMA3F	601124
BDNF	113505	NCOA1 (SRC1)	602691	SEMA3G	
CFAP418 (BBS21)	614477	NPHP1	607100	SH2B1	608937
CEP164	614848	NR0B2	604630	SIM1	603128
CEP290 (BBS14)	610142	NRP1	602069	TBX3	601621
CPE	114855	NRP2	602070	TMEM67	609884
CREBBP	600140	NTRK2	600456	TRIM32 (BBS11)	602290
CUL4B	300304	PCNT	605925	TRPC5	300334
DNMT3A	602769	PCSK1	162150	TTC8 (BBS8)	608132
DYRK1B	604556	PHF6	300414	TTC21B	612014
EP300	602700	PHIP	612870	TUB	601197
GNAS	139320	PLXNA1	601055	UCP3	602044
HTR2C	312861	PLXNA2	601054	VPS13B	607817
IFT172 (BBS20)	607386	PLXNA3	300022	WDPCP (BBS15)	613580
IFT27 (BBS19)	615870	PLXNA4	604280	16p11.2 chromosomal region†	611913‡
IFT74 (BBS22)	608040	POMC	176830		
INPP5E	613037	PPARG	601487		

\*Alternate gene symbols or phenotype abbreviations listed for clarity

†Assessment for rearrangement of the 16p11.2 chromosomal region

‡OMIM phenotype number

Gene symbols and alternative names may change and are current as of [April 2024].



## Questions? Contact PreventionGenetics

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