

RefSeq gene ID	Gene name	OMIM disease ID	Overriving	Comments
NM_000216 without anosmia	KAL1 (Kallmann syndrome 1)	308700	XL	Hypogonadotropic hypogonadism 1 with or
NM_023110 without anosmia	FGFR1	147950	AD	Hypogonadotropic hypogonadism 2 with or
NM_144773 without anosmia	PROKR2	244200	AR	Hypogonadotropic hypogonadism 3 with or
NM_001126128 without anosmia	PROK2	610628	AR	Hypogonadotropic hypogonadism 4 with or
NM_017780 without anosmia	CHD7	612370	AD	Hypogonadotropic hypogonadism 5 with or
NM_033163 without anosmia	FGF8	612702	AR	Hypogonadotropic hypogonadism 6 with or
NM_000406 without anosmia	GNRHR	138850	AR	Hypogonadotropic hypogonadism 7 with or
NM_032551 without anosmia	KISS1R	614837	AR	Hypogonadotropic hypogonadism 8 with or
NM_001130969 without anosmia	NELF	614838	AD	Hypogonadotropic hypogonadism 9 with or
NM_013251 without anosmia	TAC3	614839	AR	Hypogonadotropic hypogonadism 10 with or
NM_001059 without anosmia	TACR3	614840	AR	Hypogonadotropic hypogonadism 11 with or
NM_001083111 without anosmia	GNRH1	614841	AR	Hypogonadotropic hypogonadism 12 with or
NM_002256 without anosmia	KISS1	614842	AR	Hypogonadotropic hypogonadism 13 with or
NM_018117 without anosmia	WDR11	614858	AD	Hypogonadotropic hypogonadism 14 with or
NM_004807 or without anosmia}	HS6ST1	614880	AD	{Hypogonadotropic hypogonadism 15 with
NM_006080 or without anosmia}	SEMA3A	614897	AD	{Hypogonadotropic hypogonadism 16 with
NM_030964 without anosmia	SPRY4	615266	AD	Hypogonadotropic hypogonadism 17 with or
NM_017563 without anosmia	IL17RD	615267	AD	Hypogonadotropic hypogonadism 18 with or
NM_001946 without anosmia	DUSP6	615269	AD	Hypogonadotropic hypogonadism 19 with or
NM_003867 without anosmia	FGF17	615270	AD	Hypogonadotropic hypogonadism 20 with or
NM_198391 without anosmia	FLRT3	615271	AD	Hypogonadotropic hypogonadism 21 with or
NM_006941 without anosmia	SOX10	400	AD	Hypogonadotropic hypogonadism with or
	with deafness,	Loss of function mutations		Pingault et al AJHG 2013 (May)