

# HUMTH01

Other Names	Chromosomal Location	GenBank Accession
TH01, TC11	11p15-15.5; intron 1 of human tyrosine hydroxylase gene	D00269; has 9 repeat units

**Repeat:** [AATG] = bottom strand (commonly used); [TCAT] = GenBank top strand

Reported Primers	Ref.	PCR Primer Sequences
Set 1	1, 3	5'-GTGGGCTGAAAAGCTCCCGATTAT-3' (AATG strand) 5'-ATTCAAAGGGTATCTGGGCTCTGG-3' (TCAT strand)
Set 2	4	5'-GTGGGCTGAAAAGCTCCCGATTAT-3' (AATG strand) 5'-GTGATTCCCATTGGCCTGTTCTC-3' (TCAT strand)
Set 3	125	5'-GCTTCCGAGTGCAGGTCACA-3' (AATG strand) 5'-CAGCTGCCCTAGTCAGCAC-3' (TCAT strand)
Set 4	Promega	GenePrint® PowerPlex™ 1.1
Set 5	ABI	AmpFISTR® COfiler™
Set 6	Promega	GenePrint® PowerPlex™ 2.1

## PCR Product Sizes of Observed Alleles

Allele (Repeat #)	Set 1, 4	Set 2	Set 3	Set 5	Set 6	Repeat Structure	Ref.
3	171 bp	146 bp	230 bp	160 bp	152 bp	[AATG] <sub>3</sub>	290
4	175 bp	150 bp	234 bp	164 bp	156 bp	[AATG] <sub>4</sub>	716
5	179 bp	154 bp	238 bp	168 bp	160 bp	[AATG] <sub>5</sub>	76
5.3	182 bp	157 bp	241 bp	171 bp	163 bp		SGM Plus

6	183 bp	158 bp	242 bp	172 bp	164 bp	[AATG] <sub>6</sub>	76
6.1	184 bp	159 bp	243 bp	173 bp	165 bp		SGM Plus
6.3	186 bp	161 bp	245 bp	175 bp	167 bp	[AATG] <sub>3</sub> ATG[AATG] <sub>3</sub>	632
7	187 bp	162 bp	246 bp	176 bp	168 bp	[AATG] <sub>7</sub>	76
7.1	188 bp	163 bp	247 bp	177 bp	169 bp		SGM Plus
7.3	190 bp	165 bp	249 bp	179 bp	171 bp		SGM Plus
8	191 bp	166 bp	250 bp	180 bp	172 bp	[AATG] <sub>8</sub>	76
8.3	194 bp	169 bp	253 bp	183 bp	175 bp	[AATG] <sub>5</sub> ATG[AATG] <sub>3</sub>	76
9	195 bp	170 bp	254 bp	184 bp	176 bp	[AATG] <sub>9</sub>	76
9.3	198 bp	173 bp	257 bp	187 bp	179 bp	[AATG] <sub>6</sub> ATG[AATG] <sub>3</sub>	76
10	199 bp	174 bp	258 bp	188 bp	180 bp	[AATG] <sub>10</sub>	76
10.3	202 bp	177 bp	261 bp	191 bp	183 bp	[AATG] <sub>6</sub> ATG[AATG] <sub>4</sub>	76
11	203 bp	178 bp	262 bp	192 bp	184 bp	[AATG] <sub>11</sub>	76
12	207 bp	182 bp	266 bp	196 bp	188 bp	[AATG] <sub>12</sub>	112
13.3	214 bp	189 bp	273 bp	203 bp	195 bp	[AATG][AACT][AATG] <sub>8</sub> ATG[AATG] <sub>3</sub>	377
14	215 bp	190 bp	274 bp	204 bp	196 bp		SGM Plus

**Allelic Ladders:** Commercially available from [Promega](#) and [Applied Biosystems](#)

**Common Multiplexes:** CTT; CTTV; British Quadruplex, PowerPlex 1.1, COfiler, PowerPlex 2.1

**Original Paper**

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