

Oligonucleotide primers used in *Materials & Methods* protocols and PCR conditions

Human PBGD promoter cloning: Nested PCR

Name	Sequence	Description
00-25	5'-GCTGAGTCAGGAGAATCGCTTGAACC-3'	Fwd human PBGD (1st round)
00-26	5'-AACCTTCCTCAGTACCTTCTGCCCTC-3'	Rev human PBGD (1st round)
99-15	5'-GTAGTGAGCCTAGGTCACGCCA-3'	Fwd human PBGD (2nd round) *
99-16	5'-GGTCCCTTTAACCTTCCTCAGT-3'	Rev human PBGD (2nd round)

* generates an AvrII site

Gene expression: quantitative real-time PCR

Name	Sequence	Description
05-22	5'-GCCTTTGCTAAGCTGAGTGAG-3'	Fwd human ϵ -globin
05-23	5'-TTGCCAAAGTGAGTAGCCAGAA-3'	Rev human ϵ -globin
05-08	5'-AATAAGCTCCTAGTCCAGACGC-3'	Fwd human γ -globin *
05-09	5'-TCCCTCTAGTCTCTGCTTCTCT-3'	Fwd human PBGD ^A γ -globin
05-07	5'-TAGACAACCAGGAGCCTTCC-3'	Rev human ^A γ + ^G γ -globin
05-05	5'-GCAAGGTGAACGTGGATGAAGT-3'	Fwd human δ + β -globin
05-06	5'-TAACAGCATCAGGAGTGGACAGA-3'	Rev human δ + β -globin
06-24	5'-CTCAAGGGCACCTTTGCCACA-3'	Fwd human β -globin
06-25	5'-TGGGGTGAATTCTTTGCCAAAGTGAT-3'	Rev human β -globin
06-26	5'-CAACCTCAAGGGCACTTTTTCTCA-3'	Fwd human δ -globin
06-27	5'-GGTGAATTCCTTGCCAAAGTTGC-3'	Rev human δ -globin
05-01	5'-GCTACCAGGGCCTTTGAGATG-3'	Fwd mouse S16
05-02	5'-AGGAGCGATTTGCTGGTGTGG-3'	Rev mouse S16
05-20	5'-CAGCCGAATGACAAAGAAAAGTTCA-3'	Fwd mouse glycophorinA
05-21	5'-CAAACATTGGAGGACTCTTCATTAGGA-3'	Rev mouse glycophorinA

PCR conditions:

15 min at 95°C followed by 45 cycles of 94°C, 30s; 60°C, 30s; and 72°C, 30s.

* ^G γ + ^A γ -globin in β -YAC mouse and only ^G γ -globin in PBGD^A γ -YAC mice

