

Supplemental Table: The sequences of the primers used for real-time qPCR analysis of human $G_{i/o}$ -GPCRs. F, forward; R, reverse.

| Gene Name | Sequence |
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| ADORA1-F | GGC ATG TGA GGA CTG GAC |
| ADORA1-R | GAA TGA CCA TTT CCG CTG C |
| ADORA3-F | CAT ACA GGC CCT CAA GTG TT |
| ADORA3-R | TGC CAT CCC TCT GAT TCT TTG |
| ADRA2B-F | ACA CAG CAG GGC AAG AAG |
| ADRA2B-R | CTA CAC CAT CTT CAA CCA GGA C |
| ADRA2C-F | CGG GTC TCT GGG AAA GC |
| ADRA2C-R | TTA AGC ACA TCC TCT TCC GAC |
| AGTR2-F | AGC AAG CTG ATT TAT GAT AAC TGC |
| AGTR2-R | ACA AGC CCG AAG TGA AGA C |
| APLNR-F | AAG GGT GGA GAA CAG ATG C |
| APLNR-R | TTT CAG AAA GCA AGG GCA AAG |
| C3AR1-F | GAG ACA TCC AGG TGC TGA AG |
| C3AR1-R | GCT GAG AAT GAC CAT GGA GAG |
| C5AR1-F | GGT TAG GGA GAG CAA GTC ATT C |
| C5AR1-R | GAA AAC AAG AGG GAG AAT GGC |
| CASR-F | AGC ACC TAC GGC ATC TAA AC |
| CASR-R | ATA CCC GAC TTC CTT AAA CAC G |
| CCR1-F | CAG AAA GCC CCA GAA ACA AAG |
| CCR1-R | TGC ATC CCC ATA GTC AAA CTC |
| CCR2-F | GAT CTG TTT GGT TCA GTT GCT G |
| CCR2-R | AAA CCG AGA ACG AGA TGT GG |
| CCR3-F | GCT ATC ACT GGA CAT ATC AAG GAC |
| CCR3-R | CTC TGT TAC CAG CTT CTC ATC TG |
| CCR4-F | CTT CCT GAG CAA GCC TGG |
| CCR4-R | GTG TCT GCT ATA TCC GTG GG |
| CCR5-F | CCT ACA AGA AAC TCT CCC CG |
| CCR5-R | ACC AGT GAG TAG AGC GGA G |
| CCR6-F | CTG TGG CTG TTG GTT TGT G |
| CCR6-R | AAA GGA GTG TAT GGT TCA GCC |
| CCR7-F | GGG AAA CCA ATG AAA AGC GTG |
| CCR7-R | GGA GCA CAA AGA CTC GAA C |
| CCR8-F | GGA ATT GGC AAC ACT GAA ACC |
| CCR8-R | ATA AGT TCC GCA TCA CAG GG |
| CCR9-F | CAG ACA CTG AGA GCT GGT G |
| CCR9-R | TGG AAG ATG TGG ATT CAG AGC |
| CCR10-F | CCT TTC TTC CTG CTC AGC TC |
| CCR10-R | TGC CTC TTT CTC AGT GTT CC |
| CCRL1-F | CTC TGT ACT CAA GAC TGC TCC |
| CCRL1-R | CTG TTG ACT GGT TCT GTT CC |
| CCRL2-F | ATA CCT CTG CCG CTG TTT C |
| CCRL2-R | TTC TTC TTG CAT TTG GTG GAT G |

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| CHRM2-F | GTT AGC GAC ATG AGT ACA GGG |
| CHRM2-R | TTG CGT TCT CTA ATC AGT AGC C |
| CHRM4-F | TCA ACA GCA CCA TCA ACC C |
| CHRM4-R | GGA ACT CCT GCC TGC CTA |
| CNR1-F | GGG TCA CTT TCT CAG TCA TTT TG |
| CNR1-R | TCA TTT GAG CCC ACG TAC AG |
| CNR2-F | AGA AGC CCC GAG ATC CTC |
| CNR2-R | CCA GGG AGT GAA CTG ATT TCT G |
| CX3CR1-F | AGG CAT GGA AGT GTT CTG AG |
| CX3CR1-R | CTA GTC AGC ATC AGG TTC AGG |
| CXCR1-F | GCC CTC TAG CTG TTA AGT CAC |
| CXCR1-R | GTC CTC TTC AGT TTC AGC AAT G |
| CXCR2-F | GTC TAA CAG CTC TGA CTA CCA C |
| CXCR2-R | TTA AAT CCT GAC TGG GTC GC |
| CXCR3-F | CAA CCA CAA GCA CCA AAG C |
| CXCR3-R | GGA AGA GCT GAA GTT CTC CAG |
| CXCR4-F | AGC AGG TAG CAA AGT GAC G |
| CXCR4-R | CCT CGG TGT AGT TAT CTG AAG TG |
| CXCR5-F | GGA GCC TCT CAA CAT AAG ACA G |
| CXCR5-R | GGG AGG TGT CGT TAT AGT TGT C |
| CXCR6-F | GGA ACA AAC TGG CAA AGC ATC |
| CXCR6-R | GAA AGA CCT TGC TGA ACT GC |
| CXCR7-F | GCC TTC ATC TTC AAG TAC TCG |
| CXCR7-R | CAA GTA AAC CCG TCC CAG AG |
| DARC-F | CTT CTC ATC TGG ACA CCC TTG |
| DARC-R | GCA GTG TAG ACT TTA ATT CAG GTT G |
| DRD2-F | GTC ATG ATC TCC ATC GTC TGG |
| DRD2-R | AAT GAA GGG CAC GTA GAA GG |
| DRD3-F | TCG ACA TCT TTG AAG CTG GG |
| DRD3-R | AGT GGG TAT TGA GAA CAT GGG |
| DRD4-F | CAA CCC CGT CAT CTA CAC TG |
| DRD4-R | CAT CTC CTT GGT CCC TGA G |
| EDNRB-F | CAA GGA CCC ATC GAG ATC AAG |
| EDNRB-R | AGA TAT TGG GAC CGT TTC GC |
| F2RL1-F | TCA CCT CAA AGA AAC ACT CCA G |
| F2RL1-R | GAC ACG TCC TCA TAA CAT TAA ACA G |
| F2RL3-F | CCT CTT TGC TCC AGT GAC AC |
| F2RL3-R | CAA AGT GAC CTC CGC TAG TG |
| FFAR2-F | TGT ATG GAG TGA TTG CAG CTC |
| FFAR2-R | TGG TTA TCG GTG AAG TTC TCG |
| FFAR3-F | CCT GTG CTG AAA GCT AGG TC |
| FFAR3-R | TTA GGG AGG CTA GAT GTC TAC TC |
| FPR1-F | AGA CCT AGA ACT ACC CAG AGC |
| FPR1-R | GAG ATA GCC AGC AGA TAC AGC |
| FPR2-F | CAA TAT GGA TTT GCA CCC ACT G |

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| FPR2-R | AGG AGT GGA GAA GTT GGT TTC |
| FPR3-F | TGG GCA CAG GAA AAG GAT C |
| FPR3-R | CCG TGG ACT AGC AAT GAG AAG |
| GALR1-F | ACA TTC GCA AAG ATT CAC ACC |
| GALR1-R | TGT TTC TGT GTC TGG TCC AC |
| GALR2-F | CAG CCA TGC ATC CTC GAG |
| GALR2-R | GAC TCC AAC TCT GTG ACA TCC |
| GRM2-F | ACT GGT GTT ATT GGC GGT TC |
| GRM2-R | CAT AGC GGG ACT TGT CAC TC |
| GRM3-F | ACC TCT TTT GTG TCG GAT GAG |
| GRM3-R | GAG GAA CAG ACT AAC AGA GCC |
| GRM6-F | TCA CCA TCC TGC CCA AAA G |
| GRM6-R | AAA TTC TCT TCC CAG AAC TCG G |
| GRM7-F | GGA ATT ATG TGT CTA CCC TCG C |
| GRM7-R | TCC TGT CTT TGC GTT CCT G |
| GRM8-F | GAA CTA TGG TGA GAG CGG TG |
| GRM8-R | ATT AGG TGT TTC TAG CAG GCG |
| HCAR1-F | GTT TCC AAA GCC AGT CTG ATG |
| HCAR1-R | ACC CCT TAG CAC GAG TTA ATT C |
| HCAR2-F | CTC ACT AGC CGC ACT CAT G |
| HCAR2-R | AAG CCC GAA GAT AAA CTC CAG |
| HRH3-F | CTC AAC CTC GCC ATC TCC |
| HRH3-R | GTC CAC TAC CAG CCA CAG |
| HRH4-F | TGC TAG GAA ATG CTT TGG TCA |
| HRH4-R | CAG CGT GTG AGG GAT GTA C |
| HTR1A-F | GAG AGG AAG ACA GTG AAG ACG |
| HTR1A-R | AGA ACA AGA GCC ACG ATG AAG |
| HTR1B-F | ATC CTC TAC ACG GTC TAC TCC |
| HTR1B-R | GCG TCT GTT TCA AAA TCC GG |
| HTR1D-F | AAA TGT GTG GAG GTC TGT GG |
| HTR1D-R | TCT GAG GTT TCT GTG GCA TTC |
| HTR1E-F | AAA GCT CAT TAG ATG CCG AGA G |
| HTR1E-R | ACA TAC TTA CAA ACT CTC CTG AAC C |
| HTR1F-F | CTG GAG GGC GTT TCA AGA G |
| HTR1F-R | AGT TTT GAT CAG ATG AAT TTA AGA AAT CC |
| HTR5A-F | CCC CTG ATC TAT ACG GCT TTC |
| HTR5A-R | TGG GAA ATG GAT GAA CTG GG |
| LHCGR-F | GAA GCT AAT GCC TTT GAC AAC C |
| LHCGR-R | GGA AAC TTT CTG ATG CCT GTG |
| LPAR1-F | AAT TTG TCT CCC GTA GTT CTG G |
| LPAR1-R | ATG GAC TCG TTG TAG AAG CAC |
| LPAR2-F | AGC CTG GTC AAG ACT GTT G |
| LPAR2-R | CGG CCA ACA GTA GGA AGT AC |
| LPAR3-F | AGG ACA CCC ATG AAG CTA ATG |
| LPAR3-R | GGA ACC ACC TTT TCA CAT GC |

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| LPAR4-F | GCG AGT TGC CCA TTT ACA TG |
| LPAR4-R | CAC TCT GAC ACT ATG GAC CG |
| LTB4R-F | TTT GGC AGT GGG ACA GAT C |
| LTB4R-R | AGA TGT AGT GTT CAT GGC CG |
| LTB4R2-F | AGG AGT TGT GTT TGA GGT GG |
| LTB4R2-R | CTG TGA TGC CCG ATG AGA AG |
| MCHR1-F | AGC AAC ACC TCT GAT GGC |
| MCHR1-F | GAA GAT GAC CGT GGA GTT CC |
| MRGPRD-F | CAT CTA TAT CCT CAA CCT GGC G |
| MRGPRD-F | AGG CAA AGT ACA TCA GTC TCT TC |
| MTNR1A-F | GTC ATC CTG TCG GTG TAT CG |
| MTNR1A-R | AAC GGG TAC GGA TAA ATG GC |
| MTNR1B-F | CAT TCA AGA TGC TTC CAA GGG |
| MTNR1B-R | ACT CTC TCC CAC CAT TTC ATG |
| NPBWR1-F | AAC CTG TTC ATC CTC AAC CTG |
| NPBWR1-R | GTT GTA CTG GTC GAT AGC CAC |
| NPBWR2-F | CGT TCC TCT ATG TGC TCC TG |
| NPBWR2-R | GTC ACC GTC TTC ATC TTG GG |
| NPFFR2-F | TCG CAG CTT CAG TCT TTA CG |
| NPFFR2-R | TGG AGA CAT AAT GGT GAT GGC |
| NPR1-F | ACA GTC AAC ACA GCC TCA AG |
| NPR1-R | CCT TCA TTT CTA CAT CCC CTC G |
| NPR2-F | AGA TCT TTG CCA ACA CCG G |
| NPR2-R | TGA AGC GAG TGA GAT GGT TG |
| NPR3-F | TCT CCC TGC AAA TCA TGT GG |
| NPR3-R | TCG CCT CTC AAT GGT TAT TCT G |
| NPY1R-F | CAA GCC CAG TCG CAT TTA AAA |
| NPY1R-R | CAG GTA ATC AAA GTA TGT TGC AGG |
| NPY2R-F | ACA TCT TGT TTC CGC GTC TC |
| NPY2R-R | CCC ATT TTC AGT ACA GGT CCA C |
| NPY5R-F | AAG GGA AAG GGT GTT ACA AGG |
| NPY5R-R | ATT CTC TGT GGC AAG TGT CTT |
| OPRD1-F | TGT CAT GTT CGG CAT CGT C |
| OPRD1-R | CAT CAG GTA CTT GGC ACT CTG |
| OPRK1-F | TCG CTG GTC ATG TTC GTG |
| OPRK1-R | CCA AAA GGC CAG GAA TTC ATC |
| OPRL1-F | CAC AGG TCG AGG ATG AAG AG |
| OPRL1-R | GAT CAT GAG GCT GTA GCA GAC |
| OPRM1-F | TCT CTT CAG CCA TTG GTC TTC |
| OPRM1-R | GAA GGC GAA GAT GAA AAC ACA G |
| OXTR-F | CCT TTG TCC TGA GCC ATC G |
| OXTR-R | CAC AAA CAT ACG CCA TCA CC |
| P2RY12-F | ATA AGT ATG CTG AAG TGC CCC |
| P2RY12-R | CGA GTT CTG AAC ACA AAG AGA TTG |
| P2RY13-F | TGT AGG CTG AAC TAA TGA CTG C |

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| P2RY13-R | TGT ACT ATC CGA GTG TCT CTG G |
| PTAFR-F | TGA TCA TTC CAG CCC ACA G |
| PTAFR-R | AAA GAC CCA CAG CAC GTA G |
| PTGER3-F | AGA CGG CCA TTC AGC TTA TG |
| PTGER3-R | TCT TTC TGC TTC TCC GTG TG |
| RXFP1-F | AGT GCT CCC TTG GCT ATT TC |
| RXFP1-R | GTC AAA TTG CAG AGA CCA TCC |
| RXFP2-F | ACA ACT CAC GCT ATG TCC ATC |
| RXFP2-R | CAT ACT TCT GAT ACT GCC CTC G |
| RXFP3-F | CGT GTT ATC TTA GGT CTT GTC CC |
| RXFP3-R | AAG AGT TCT GCT AGC TTG TCC |
| RXFP4-F | AAT CTC TGA TGC CCT GCG |
| RXFP4-R | AGG AAT TTG ACA GGC ATC GG |
| S1PR1-F | TCG AGT AAG TTT GCG AGA GC |
| S1PR1-R | CTT TTC CTT GGC TGG AGA GG |
| S1PR3-F | AGC ACT TCA GAA TGG GAT CTT C |
| S1PR3-R | GGT CAA AGT AAG GTA GCT CTC C |
| S1PR4-F | GCT TCC ACC ACC GAC AG |
| S1PR4-R | ACC ATC CAC ACG CAA GAC |
| S1PR5-F | GGT ATC AGA ACC GGC TGC |
| S1PR5-R | CGC TGC ATA AAT ACA TTT CCC C |
| SSTR1-F | TCT TCC GTA ATG GCA CCT G |
| SSTR1-R | GAT ACC GTC CCT TTC GCA C |
| SSTR2-F | GGA GCG GAG TGA CAG TAA G |
| SSTR2-R | CCC ATT GCC AGT AGA CAG AG |
| SSTR3-F | GCG CAT CAG CTA CCT GTA G |
| SSTR3-R | CAA TAG CAT CAA AGT CCA GGC |
| SSTR4-F | GTC GCT ATC CAG TGC ATC TAC |
| SSTR4-R | AGG TTG AGC AGG TAG ATG TTG |
| SSTR5-F | AAC ACG CTG GTC ATC TAC G |
| SSTR5-R | ACT GCC AGG TTG AGA ATG TAG |
| TSHR-F | AGT TTC CTT CAC CTC ACA CG |
| TSHR-R | ACT GCT CTC ATT ACA CAT CAA GG |
| XCR1-F | ACC ATT TCT GCC TCA AGA CG |
| XCR1-R | TGC CTA TAG TCC CAG CTA CTC |