Supplementary Table S1. Primers used for PCR.

N	Gene	Sequence (5' → 3')	Amplicon Size (bp)	PrimerBank or PubMed ID	N	Gene	Sequence (5' → 3')	Amplicon Size (bp)	PrimerBank or PubMed ID
1	GAPDH	F: TGCACCACCAACTGCTTAGC R: GGCATGGACTGTGGTCATGAG	87	PMID: 12184808	19	PDE7A	F: CGTATGCTAGGAGATGTACGTGT R: TGAAACCGCAGTACCACGAAA	201	341823662c1
2	PDE1A	F: ATGGGGTCTAGTGCCACAGAG R: GCACAGATGCCGCATATTCAAT	187	51102298c1	20	PDE7B	F: GGTTGAGAGGTGTGGCGAAAT R: CCTTAGTCGTATATCTCCCAGCA	85	57242789c1
3	PDE1B	F: CTGCGCTACATGGTGAAGCA R: CAAGATTTGCCGTGTCTCATCTA	123	260436978c1	21	PDE8A	F: TCCAGCCAGAGACGACACT R: ACAGGCATGGGACTACTTTCC	116	341823697c2
4	PDE1C	F: ATAAGACAGGAGTGGCGAACT R: GTATGCTCGTAGTCATGGATGG	85	300796870c3	22	PDE8B	F: ACGCAGGCTTCAACAGGAG R: CGTGGTCATCGCTTGTTATTTCT	177	300244576c3
5	PDE2A	F: GACCGCAAGATCCTCCAACTG R: CCGAGCACTTTGTCTCCGA	176	344925850c2	23	PDE9A	F: GACTCCTCGACGCGATGTTC R: TTTCTGTAGTTGTCGTGGACG	222	48762733c1
6	PDE3A	F: CCACGGCCTCATTACCGAC R: TTGCTCACGGCTCTCAAGG	78	347658968c1	24	PDE10A	F: GAGACAACCAGCTACTCCTCT R: ACAGGCTATTATTGCACTCTCCA	105	359465520c2
7	PDE3B	F: GTGCCGCCGAAGAAAAAGTG R: CAACTGCCATAGTAACTGGCTG	94	219879808c1	25	PDE11A	F: TGATGACTTTTCTCTCGACGTTG R: AAGCCACCTACACAGTGTCTC	115	116536086c1
8	PDE4A	F: ACACACCTGTCAGAAATGAGC R: GGGTGATGGGATCTCCACTTC	99	341572546c1	26	PDE12	F: GTAGTGCGCTGCGTACCTT R: GCGCTGCATGTTCTTGTGG	81	189027128c1
9	PDE4B	F: AACGCTGGAGGAATTAGACTGG R: GCTCCCGGTTCAGCATTCT	110	82799485c1	27	GUCY1A2	F: GAGGACTGCTTCGAGATTGTATC R: TGGTTCTAATCACAAACGGGGTA	91	374093197c3
10	PDE4C	F: GAGACGCTAGACGAGCTGGA R: GTGGGTCAACTCCCGGTTC	120	341604763c2	28	GUCY1A3	F: AGTGAGGAGATGGGACAACTC R: GAGCCCTCGTCCTGTAAAATC	148	374253805c3
11	PDE4D	F: GACCAATGTCTCAGATCAGTGG R: GTCAAGGGCCGGTTACCAG	187	308387383c1	29	GUCY1B3	F: CTGCTTACGTCTCAAGGGTCA R: ATGTCACTTAGATACAGCCCTCT	123	221139770c3
12	PDE5A	F: CGGCCTCTTAGACCCATTGTT R: AGGGAATAGCGGTCAGCAGAT	239	61744429c2	30	GUCY2F	F: GAGGTTGCTGCGCGATTAG R: CCAGGGTTGGTAGGTCCAATAA	173	134152693c2
13	PDE6A	F: CATCGAACGACAGTTCCACAA R: GGTCATGTCTAAGAGACCCACAG	88	170650673c3	31	GUCY2D	F: TCGTGCTGGTTCGATCCAAAC R: GTAGCCGGTGCCTCACATAAT	133	169791019c3
14	PDE6B	F: ACACCCTCAGCCGATCACT R: ACATTTCGTCAGCGGAAGCAT	103	223718033c2	32	ADCY2	F: GGGACCAGGTATCGTTCTTCC R: GTGAGGACGCTGGCAATGAT	94	115387101c2
15	PDE6C	F: ATGGACAAGCAAACTGGGTATG R: TGGTGTGATGAAGCCTTAGGAT	187	57364938c2	33	ADCY6	F: CTCCTGGTCCCTAAAGTGGAT R: GGAGGCAGCTCATATAGCGG	124	168480141c1
16	PDE6D	F: TTCAAAGGGCAATGCCTAGAAG R: TTCCCAGTTAAGACGCTTGCT	134	56676309c3	34	ADCY8	F: CCTGCGGCACCAAAGTCTT R: CGAGTTGCTAGGGGCACAG	110	168480145c1
17	PDE6G	F: AAGGCTAGAGATGACCTCGG R: GGGGTCCCTAAGTGAAAAGC	246	PMID: 20655036	35	ADCY10	F: GTGACGATTGTGTTTGTGAACC R: GATGTGCATATAGGCATCCTGG	90	268370068c3
18	PDE6H	F: GCAGACTCGCCAATTCAAGAG R: TCTGTTCCTAGCCCCTCCATT	90	291045288c1					