

GPCR \ K_{tar}	Dirac	multitask	hierarchy	BP	PBP
Rhodopsin peptide receptors					
AG2R(5)	50.0 ± 50.0	50.0 ± 50.0	50.0 ± 50.0	50.0 ± 50.0	50.0 ± 50.0
CCKAR(6)	50.0 ± 50.0	50.0 ± 50.0	66.7 ± 47.1	50.0 ± 50.0	50.0 ± 50.0
CML2(1)	50.0 ± 50.0	100.0 ± 0.0	100.0 ± 0.0	100.0 ± 0.0	100.0 ± 0.0
CXCR3(1)	50.0 ± 50.0	50.0 ± 50.0	50.0 ± 50.0	50.0 ± 50.0	50.0 ± 50.0
EDNRA(50)	50.0 ± 50.0	46.0 ± 49.8	100.0 ± 0.0	100.0 ± 0.0	94.0 ± 23.7
EDNRB(48)	50.0 ± 50.0	22.9 ± 42.0	74.0 ± 43.9	95.8 ± 20.0	75.0 ± 43.3
GASR(2)	50.0 ± 50.0	25.0 ± 43.3	75.0 ± 43.3	75.0 ± 43.3	50.0 ± 50.0
GPR7(1)	50.0 ± 50.0	50.0 ± 50.0	50.0 ± 50.0	100.0 ± 0.0	50.0 ± 50.0
LSHR(4)	50.0 ± 50.0	0.0 ± 0.0	37.5 ± 48.4	50.0 ± 50.0	37.5 ± 48.4
NK1R(24)	50.0 ± 50.0	27.1 ± 44.4	33.3 ± 47.1	60.4 ± 48.9	39.6 ± 48.9
NK2R(1)	50.0 ± 50.0	100.0 ± 0.0	100.0 ± 0.0	100.0 ± 0.0	100.0 ± 0.0
NK3R(1)	50.0 ± 50.0	100.0 ± 0.0	100.0 ± 0.0	100.0 ± 0.0	100.0 ± 0.0
OPRD(27)	50.0 ± 50.0	37.0 ± 48.3	44.4 ± 49.7	55.6 ± 49.7	55.6 ± 49.7
OPRK(24)	50.0 ± 50.0	47.9 ± 50.0	81.2 ± 39.0	87.5 ± 33.1	83.3 ± 37.3
OPRM(21)	50.0 ± 50.0	54.8 ± 49.8	88.1 ± 32.4	90.5 ± 29.4	90.5 ± 29.4
OXYR(3)	50.0 ± 50.0	50.0 ± 50.0	50.0 ± 50.0	66.7 ± 47.1	50.0 ± 50.0
SSR1(3)	50.0 ± 50.0	50.0 ± 50.0	50.0 ± 50.0	50.0 ± 50.0	50.0 ± 50.0
CCR3(1)	50.0 ± 50.0	50.0 ± 50.0	50.0 ± 50.0	50.0 ± 50.0	50.0 ± 50.0
Rhodopsin amine receptors					
5HT1A(196)	50.0 ± 50.0	39.8 ± 48.9	53.3 ± 49.9	49.0 ± 50.0	45.7 ± 49.8
5HT1B(28)	50.0 ± 50.0	50.0 ± 50.0	89.3 ± 30.9	91.1 ± 28.5	89.3 ± 30.9
5HT1D(172)	50.0 ± 50.0	29.7 ± 45.7	56.7 ± 49.6	59.3 ± 49.1	57.3 ± 49.5
5HT1E(16)	50.0 ± 50.0	68.8 ± 46.4	93.8 ± 24.2	93.8 ± 24.2	90.6 ± 29.1
5HT1F(49)	50.0 ± 50.0	41.8 ± 49.3	58.2 ± 49.3	60.2 ± 48.9	56.1 ± 49.6
5HT2A(79)	50.0 ± 50.0	68.4 ± 46.5	76.6 ± 42.3	77.2 ± 41.9	76.6 ± 42.3
5HT2B(72)	50.0 ± 50.0	31.2 ± 46.4	70.8 ± 45.5	56.9 ± 49.5	55.6 ± 49.7
5HT2C(198)	50.0 ± 50.0	35.1 ± 47.7	60.4 ± 48.9	52.0 ± 50.0	48.2 ± 50.0
5HT4R(87)	50.0 ± 50.0	20.1 ± 40.1	29.9 ± 45.8	34.5 ± 47.5	31.6 ± 46.5
5HT5A(7)	50.0 ± 50.0	78.6 ± 41.0	64.3 ± 47.9	78.6 ± 41.0	78.6 ± 41.0
5HT6R(13)	50.0 ± 50.0	92.3 ± 26.6	80.8 ± 39.4	84.6 ± 36.1	88.5 ± 31.9
5HT7R(15)	50.0 ± 50.0	93.3 ± 24.9	93.3 ± 24.9	90.0 ± 30.0	90.0 ± 30.0
ACM1(527)	50.0 ± 50.0	30.2 ± 45.9	43.3 ± 49.5	48.8 ± 50.0	45.6 ± 49.8
ACM2(24)	50.0 ± 50.0	58.3 ± 49.3	81.2 ± 39.0	91.7 ± 27.6	87.5 ± 33.1
ACM3(58)	50.0 ± 50.0	35.3 ± 47.8	59.5 ± 49.1	73.3 ± 44.3	70.7 ± 45.5
ACM4(21)	50.0 ± 50.0	90.5 ± 29.4	76.2 ± 42.6	78.6 ± 41.0	81.0 ± 39.3
ACM5(16)	50.0 ± 50.0	84.4 ± 36.3	84.4 ± 36.3	78.1 ± 41.3	84.4 ± 36.3
ADA1A(80)	50.0 ± 50.0	76.9 ± 42.2	97.5 ± 15.6	96.2 ± 19.0	96.2 ± 19.0
ADA1B(67)	50.0 ± 50.0	74.6 ± 43.5	91.8 ± 27.5	91.0 ± 28.6	91.8 ± 27.5
ADA1D(73)	50.0 ± 50.0	79.5 ± 40.4	98.6 ± 11.6	97.9 ± 14.2	97.9 ± 14.2
ADA2A(234)	50.0 ± 50.0	58.3 ± 49.3	93.8 ± 24.1	91.0 ± 28.6	89.7 ± 30.3
ADA2B(224)	50.0 ± 50.0	57.4 ± 49.5	97.5 ± 15.5	97.3 ± 16.1	95.3 ± 21.1
ADA2C(225)	50.0 ± 50.0	59.6 ± 49.1	94.9 ± 22.0	94.2 ± 23.3	94.7 ± 22.5
ADRB1(50)	50.0 ± 50.0	44.0 ± 49.6	87.0 ± 33.6	84.0 ± 36.7	84.0 ± 36.7
ADRB2(48)	50.0 ± 50.0	52.1 ± 50.0	95.8 ± 20.0	89.6 ± 30.5	90.6 ± 29.1
ADRB3(57)	50.0 ± 50.0	46.5 ± 49.9	86.0 ± 34.7	82.5 ± 38.0	81.6 ± 38.8
DRD1(100)	50.0 ± 50.0	43.0 ± 49.5	45.5 ± 49.8	43.0 ± 49.5	43.0 ± 49.5
DRD2(106)	50.0 ± 50.0	50.5 ± 50.0	54.7 ± 49.8	59.9 ± 49.0	55.7 ± 49.7
DRD3(41)	50.0 ± 50.0	57.3 ± 49.5	70.7 ± 45.5	74.4 ± 43.6	69.5 ± 46.0
DRD4(143)	50.0 ± 50.0	45.8 ± 49.8	45.1 ± 49.8	51.0 ± 50.0	49.3 ± 50.0
DRD5(7)	50.0 ± 50.0	57.1 ± 49.5	100.0 ± 0.0	100.0 ± 0.0	100.0 ± 0.0
HRH1(19)	50.0 ± 50.0	55.3 ± 49.7	57.9 ± 49.4	68.4 ± 46.5	68.4 ± 46.5
HRH2(22)	50.0 ± 50.0	45.5 ± 49.8	52.3 ± 49.9	56.8 ± 49.5	56.8 ± 49.5
HRH3(88)	50.0 ± 50.0	39.2 ± 48.8	49.4 ± 50.0	46.0 ± 49.8	46.0 ± 49.8
HRH4(5)	50.0 ± 50.0	70.0 ± 45.8	90.0 ± 30.0	70.0 ± 45.8	70.0 ± 45.8

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Rhodopsin other receptors					
AA1R(56)	50.0 ± 50.0	39.3 ± 48.8	91.1 ± 28.5	92.9 ± 25.8	86.6 ± 34.1
AA2AR(73)	50.0 ± 50.0	46.6 ± 49.9	94.5 ± 22.8	96.6 ± 18.2	95.2 ± 21.4
AA2BR(83)	50.0 ± 50.0	37.3 ± 48.4	87.3 ± 33.2	98.2 ± 13.3	89.2 ± 31.1
AA3R(17)	50.0 ± 50.0	38.2 ± 48.6	64.7 ± 47.8	70.6 ± 45.6	52.9 ± 49.9
CLTR1(18)	50.0 ± 50.0	50.0 ± 50.0	50.0 ± 50.0	50.0 ± 50.0	52.8 ± 49.9
LT4R1(2)	50.0 ± 50.0	50.0 ± 50.0	100.0 ± 0.0	100.0 ± 0.0	100.0 ± 0.0
LT4R2(2)	50.0 ± 50.0	50.0 ± 50.0	100.0 ± 0.0	100.0 ± 0.0	100.0 ± 0.0
MTR1A(91)	50.0 ± 50.0	43.4 ± 49.6	97.3 ± 16.3	97.3 ± 16.3	95.6 ± 20.5
MTR1B(90)	50.0 ± 50.0	47.2 ± 49.9	95.6 ± 20.6	97.8 ± 14.7	97.8 ± 14.7
MTR1L(75)	50.0 ± 50.0	46.7 ± 49.9	99.3 ± 8.1	100.0 ± 0.0	99.3 ± 8.1
PAFR(1)	50.0 ± 50.0	50.0 ± 50.0	50.0 ± 50.0	50.0 ± 50.0	50.0 ± 50.0
PE2R1(5)	50.0 ± 50.0	50.0 ± 50.0	100.0 ± 0.0	100.0 ± 0.0	100.0 ± 0.0
PE2R2(7)	50.0 ± 50.0	42.9 ± 49.5	92.9 ± 25.8	85.7 ± 35.0	85.7 ± 35.0
PE2R3(5)	50.0 ± 50.0	60.0 ± 49.0	100.0 ± 0.0	100.0 ± 0.0	100.0 ± 0.0
PE2R4(5)	50.0 ± 50.0	60.0 ± 49.0	100.0 ± 0.0	100.0 ± 0.0	100.0 ± 0.0
R3R2(1)	50.0 ± 50.0	100.0 ± 0.0	100.0 ± 0.0	100.0 ± 0.0	100.0 ± 0.0
TA2R(63)	50.0 ± 50.0	42.1 ± 49.4	47.6 ± 49.9	50.8 ± 50.0	49.2 ± 50.0
Metabotropic glutamate family					
GABR1(1)	50.0 ± 50.0	100.0 ± 0.0	100.0 ± 0.0	100.0 ± 0.0	100.0 ± 0.0
GABR2(1)	50.0 ± 50.0	100.0 ± 0.0	100.0 ± 0.0	50.0 ± 50.0	100.0 ± 0.0
MGR1(34)	50.0 ± 50.0	42.6 ± 49.5	63.2 ± 48.2	61.8 ± 48.6	64.7 ± 47.8
MGR2(6)	50.0 ± 50.0	58.3 ± 49.3	100.0 ± 0.0	100.0 ± 0.0	83.3 ± 37.3
MGR3(5)	50.0 ± 50.0	70.0 ± 45.8	100.0 ± 0.0	100.0 ± 0.0	100.0 ± 0.0
MGR5(5)	50.0 ± 50.0	90.0 ± 30.0	100.0 ± 0.0	100.0 ± 0.0	100.0 ± 0.0
MGR6(5)	50.0 ± 50.0	90.0 ± 30.0	90.0 ± 30.0	90.0 ± 30.0	90.0 ± 30.0
MGR7(6)	50.0 ± 50.0	83.3 ± 37.3	91.7 ± 27.6	83.3 ± 37.3	83.3 ± 37.3
MGR8(3)	50.0 ± 50.0	83.3 ± 37.3	100.0 ± 0.0	100.0 ± 0.0	100.0 ± 0.0
Secretin family					
VIPR1(1)	50.0 ± 50.0	100.0 ± 0.0	100.0 ± 0.0	50.0 ± 50.0	100.0 ± 0.0