

FAMILY	RECEPTOR	SPECIES	COUPLING	Aequorin	cAMP	IPOne	GTPγS	Radioligand binding	ERK1/2	Internalisation
Free fatty acid	FFA1 (GPR40)	HS	G ₂	FAST-0110A		FAST-0110I				
		MM	G ₂	FAST-0109A						
	FFA3 (GPR41)	HS	G ₁₀	FAST-0111A	FAST-0111C		FAST-0111G			
		MM	G ₁₀		FAST-0118C					
	FFA2 (GPR43)*	HS	G ₁₀ , G ₂	FAST-0112A	FAST-0112C	FAST-0112I	FAST-0112G		FAST-0112E	
		MM	G ₁₀ , G ₂	FAST-0116A	FAST-0116C	FAST-0116I	FAST-0116G			
		RN	G ₁₀ , G ₂	FAST-0117A	FAST-0117C	FAST-0117I	FAST-0117G			
		RH	G ₁₀ , G ₂	FAST-0124A	FAST-0124C					
		CF	G ₁₀ , G ₂	FAST-0123A	FAST-0123C					
	GPR35	HS	G ₁₀	FAST-0915A	FAST-0915C		FAST-0915G		FAST-0915E	
		MM	G ₁₀	FAST-0991A	FAST-0991C					
		RN	G ₁₀	FAST-0992A	FAST-0992C					
	GPR84	HS	G ₁₀	FAST-0935A	FAST-0935C		FAST-0935G		FAST-0935E	FAST-0935T
		MM	G ₁₀	FAST-0993A	FAST-0993C					
		RN	G ₁₀	FAST-0994A	FAST-0994C					
	FFA4 (GPR120)	HS	G ₂	FAST-0113A		FAST-0113I			FAST-0113E	
	MM	G ₂	FAST-0114A							
	RN	G ₂	FAST-0115A							
GABA	GABA B1a/B2	HS	G ₂	FAST-0120A	FAST-0120C		FAST-0120G	FAST-0120B		
	GABA B1b/B2	HS	G ₂		FAST-0122C					
	GABA (non-selective)	RN	G ₂					FAST-0121B		
Galanin	GAL1	HS	G ₂	FAST-0130A	FAST-0130C		FAST-0130G	FAST-0130B		
	GAL2	HS	G _{2/11} , G ₁₀	FAST-0131A		FAST-0131I	FAST-0131G	FAST-0131B		
Ghrelin	GHS-R	HS	G ₁₁	FAST-0135A		FAST-0135I		FAST-0135B		
Glucagon	Glucagon	HS	G ₁	FAST-0138A	FAST-0138C			FAST-0138B		
	GP	HS	G ₂	FAST-0139A	FAST-0139C			FAST-0139B		FAST-0139T
	GLP-1	HS	G ₂	FAST-0145A	FAST-0145C			FAST-0145B		FAST-0145T
		MM	G ₂		FAST-0147C			FAST-0147B		FAST-0147T
	GLP-2	HS	G ₂		FAST-0146C					
	GHRHR	HS	G ₂		FAST-0160C					
Glutamate (metabotropic)	Secretin	HS	G ₃	FAST-0161A	FAST-0161C					
	mGlu ₁	HS	G _{2/11}	FAST-0152A	FAST-0152C					
	mGlu ₂	HS	G ₁₀		FAST-0153C					
	mGlu ₃	HS	G ₁₀	FAST-0155A						
	mGlu ₄	HS	G ₁₀		FAST-0150C		FAST-0150G			
	mGlu ₅	HS	G ₂	FAST-0151A		FAST-0151I		FAST-0151B		
		RN	G ₂					FAST-0158B		
	mGlu ₆	HS	G ₁₀				FAST-0157G			
mGlu ₇	HS	G ₁₀		FAST-0154C						
mGlu ₈	HS	G ₁₀				FAST-0156G				
Glycoprotein hormone	FSH	HS	G ₂		FAST-0580C					
	LH	HS	G ₂ , G ₁₀ , G _{2/11}		FAST-0581C					
	TSH	HS	G ₂ , G ₁₀ , G _{2/11}		FAST-0582C					
		MM	G ₂ , G ₁₀ , G _{2/11}		FAST-0584C					
	RN	G ₂ , G ₁₀ , G _{2/11}		FAST-0585C						
GnRH	GnRHR1	HS	G _{2/11}	FAST-0583A				FAST-0583B		
GPR/Orphan	GPR3	HS	G ₂		FAST-0700C***					
		MM	G ₂		FAST-0703C***					
		RN	G ₂		FAST-0704C***					
	GPR6	HS	G ₂		FAST-0701C***					
	GPR12	HS	G ₂		FAST-0702C***					
	GPR17	HS	G ₁₀	FAST-0903A	FAST-0903C	FAST-0903I			FAST-0903T	
	GPR17long	HS	G ₁₀	FAST-0996A	FAST-0996C	FAST-0996I				
	GPR17	MM	G ₁₀	FAST-0997A	FAST-0997C	FAST-0997I				
	GPR17	RN	G ₁₀	FAST-0998A	FAST-0998C	FAST-0998I				
	GPR18	HS	unidentified	FAST-0904***						
	GPR19 (GPR-NGA)	HS	unidentified	FAST-0905***						
	GPR20	HS	unidentified	FAST-0906***						
	GPR21	HS	G ₂		FAST-0907C***					
	GPR22	HS	unidentified	FAST-0908***						
	GPR23 (LPAR4)	HS	unidentified	FAST-0640***						
	GPR25	HS	unidentified	FAST-0909***						
	GPR26	HS	G ₂		FAST-0970C***					
	GPR27 (SREB1)	HS	unidentified	FAST-0910***						
	GPR30 (GPER)	HS	unidentified	FAST-0911***						
	GPR31	HS	unidentified	FAST-0912***						
	GPR32	HS	unidentified	FAST-0913***						
	GPR37	HS	unidentified	FAST-0916***						
	GPR37L1	HS	unidentified	FAST-0917***						
	GPR39	HS	G _{2/11} , G ₂	FAST-0918A	FAST-0918C					
		MM	G _{2/11} , G ₂	FAST-0932A	FAST-0932C					
		RN	G _{2/11} , G ₂	FAST-0992A	FAST-0992C					
	GPR45	HS	unidentified	FAST-0919***						
	GPR50	HS	unidentified	FAST-0920***						
	GPR52	HS	G ₂		FAST-0921C					
		RN	G ₂		FAST-0961C					
	GPR61	HS	G ₂		FAST-0924C***					
	GPR62	HS	G ₂		FAST-0979C***					
	GPR63	HS	unidentified	FAST-0925***						
	GPR75	HS	unidentified	FAST-0930***						
	GPR78	HS	G ₂		FAST-0931C***					
	GPR82	HS	unidentified	FAST-0933***						
	GPR83 (GPR72)	HS	unidentified	FAST-0934***						
		MM	unidentified	FAST-0945***						
	GPR87 (HG03)	HS	unidentified	FAST-0937***						
	GPR88*	HS	G ₁₀	FAST-0938A	FAST-0938C					
		MM	G ₁₀		FAST-0963C					
		RN	G ₁₀		FAST-0964C					
	GPR101	HS	G ₂		FAST-0941C***					
		MM	G ₂		FAST-0953C***					
		RN	G ₂		FAST-0954C***					
	GPR116	HS	unidentified	FAST-0975***						
	GPR132 (G2A)	HS	unidentified	FAST-0967***						
	GPR133	HS	unidentified	FAST-0968***						
	GPR139	HS	G _{2/11} , G ₂	FAST-0980***						
	GPR141	HS	unidentified	FAST-0981***						
	GPR142	HS	G _{2/11}				FAST-0969I			
		MM	G _{2/11}				FAST-0989I			
		RN	G _{2/11}				FAST-0989I			
	GPR146	HS	unidentified	FAST-0976***						
	GPR148	HS	unidentified	FAST-0982***						
	GPR149	HS	unidentified	FAST-0983***						
	GPR150	HS	unidentified	FAST-0984***						
	GPR151	HS	unidentified	FAST-0985***						
	GPR152	HS	unidentified	FAST-0942***						
	GPR153	HS	unidentified	FAST-0978***						
	GPR161 (RE2)	HS	G ₂		FAST-0962C***					
	GPR162 (A-2)	HS	unidentified	FAST-0943***						
	GPR173 (SREB3)	HS	unidentified	FAST-0977***						
	GPR174 (DA6)	HS	unidentified	FAST-0944***						
	GPR171 (H963)	HS	unidentified	FAST-0946***						
	GPR176 (HB954)	HS	unidentified	FAST-0947***						
	GPR182 (HSGPCP)	HS	unidentified	FAST-0949***						
GPRC5A (RAIG1)	HS	unidentified	FAST-0955***							
GPRC5B (RAIG2)	HS	unidentified	FAST-0956***							
GPRC5C (RAIG3)	HS	unidentified	FAST-0957***							
GPRC5D (RAIG4)	HS	unidentified	FAST-0958***							
LGR4	HS	unidentified	FAST-0972***							
LGR5	HS	unidentified	FAST-0973***							
LGR6	HS	unidentified	FAST-0974***							
P2Y ₁	HS	unidentified	FAST-0959***							
P2Y ₂	HS	unidentified	FAST-0986***							
P2Y ₁₀	HS	unidentified	FAST-0951***							
Histamine	H ₁	HS	G _{2/11}	FAST-0170A		FAST-0170I		FAST-0170B		
	H ₂	HS	G ₂ , G ₃	FAST-0171A	FAST-0171C			FAST-0171B		
	H ₃ *	HS	G ₁₀	FAST-0172A	FAST-0172C		FAST-0172G	FAST-0172B		
		RN	G ₁₀				FAST-0174G	FAST-0174B		
	H ₄	HS	G ₁₀	FAST-0173A			FAST-0173G	FAST-0173B		

FAMILY	RECEPTOR	SPECIES	COUPLING	Aequorin	cAMP	IPOne	GTPγS	Radioligand binding	ERK1/2	Internalisation	
Hydroxycarboxylic acid	H ₁	MM	G ₁₃				FAST-0169G				
	GPR109a (HM74a/HCA2)	HS	G ₁₃	FAST-0350A	FAST-0350C		FAST-0350G	FAST-0350B			
	GPR109b (HM74/HCA3)	HS	G ₁₃	FAST-0351A	FAST-0351C		FAST-0351G		FAST-0351E		
	GPR81 (HCA1)	HS	G ₁₃	FAST-0352A	FAST-0352C		FAST-0352G				
		MM	G ₁₃		FAST-0353C						
KISS1/Kisspeptin	GPR54 (KISS1)	HS	G _s	FAST-0180A				FAST-0180B			
		RN	G _s	FAST-0181A							
Leukotriene	BLT ₁ (LTB4R)	HS	G _{2/11} , G ₁₃	FAST-0192A			FAST-0192G				
	BLT ₂ (LTB4R2)	HS	G _{2/11} , G ₁₃	FAST-0194A							
	CysLT ₁	HS	G ₁₁	FAST-0190A				FAST-0190B			
	CysLT ₂ *	HS	G ₁₁	FAST-0191A				FAST-0191B			
	OXE (HM74like)	HS	G ₁₃	FAST-0193A							
Lysophospholipids	LPA ₁ (EDG7)	HS	G _{2/11} , G ₁₃	FAST-0632A			FAST-0632I				
	LPA ₂ (GPR92)	HS	G _{2/11} , G _s				FAST-0641I				
	GPR34	HS	G ₁₃	FAST-0914A	FAST-0914C		FAST-0914G			FAST-0914T	
	GPR55	HS	G ₁₃	FAST-0922A						FAST-0922T	
Mas related	MrgX1	HS	G _{2/11}	FAST-0213A							
	MrgX2	HS	G _{2/11}	FAST-0214A							
	MAS	HS	G _{2/11}	FAST-0210A							
	MRG	HS	unidentified	FAST-0211**							
	MRGD (TGR7)	HS	G _{2/11}	FAST-0212A	FAST-0212C		FAST-0212G				
	MRGE	HS	unidentified	FAST-0216***							
	MRGF (RTA)	HS	unidentified	FAST-0215***							
Melanin concentrating hormone	MCH ₁	HS	G _{2/11} , G ₁₃	FAST-0220A	FAST-0220C		FAST-0220G	FAST-0220B			
		MM	G _{2/11} , G ₁₃	FAST-0660A							
	MCH ₂	HS	G _{2/11}	FAST-0221A				FAST-0221B			
Melanocortin	MC ₁	HS	G _s		FAST-0230C			FAST-0230B			
	MC ₂ (MC ₂ /MRAP)	HS	G _s	FAST-0231A	FAST-0231C						
	MC ₃	HS	G _s		FAST-0232C			FAST-0232B			
		MM	G _s		FAST-0235C						
	MC ₄	HS	G _s		FAST-0233C			FAST-0233B			
	MC ₅	HS	G _s		FAST-0234C			FAST-0234B			
		MM	G _s		FAST-0236C			FAST-0236B			
		RN	G _s		FAST-0237C						
		CF	G _s		FAST-0238C						
Melatonin	MT ₁	HS	G ₁₃	FAST-0240A			FAST-0240G	FAST-0240B			
	MT ₂	HS	G ₁₃	FAST-0241A			FAST-0241G	FAST-0241B			
Motilin	MTL	HS	G _{2/11}	FAST-0250A		FAST-0250I		FAST-0250B			
Muscarinic	M ₁	HS	G _{2/11}	FAST-0260A		FAST-0260I	FAST-0260G	FAST-0260B			
		RN	G _{2/11}	FAST-0262A							
	M ₂	HS	G ₁₃	FAST-0261A	FAST-0261C		FAST-0261G	FAST-0261B			
		RN	G ₁₃	FAST-0263A	FAST-0263C						
	M ₃	HS	G _{2/11}	ES-212A		ES-212I		ES-212B			
		RN	G _{2/11}	FAST-0266A							
	M ₄	HS	G ₁₃	ES-213A			ES-213G	ES-213B			
		RN	G ₁₃	FAST-0267A							
	M ₅	HS	G _{2/11}	FAST-0264A		FAST-0264I		FAST-0264B			
		RN	G _{2/11}								
	Non-selective	RN	G _{2/11}					FAST-0265B			
	Neurokinin	NK ₁	HS	G _{2/11}	FAST-0269A				FAST-0269B		
			MM	G _{2/11}	FAST-0621A						
			RN	G _{2/11}	FAST-0622A						
			RH	G _{2/11}	FAST-0634A						
NK ₂		HS	G _{2/11}	FAST-0270A					FAST-0270B		
		MM	G _{2/11}	FAST-0623A							
		RN	G _{2/11}	FAST-0624A							
		RH	G _{2/11}	FAST-0635A							
NK ₃		HS	G _{2/11}	FAST-0271A			FAST-0271I		FAST-0271B		
		MM	G _{2/11}	FAST-0273A					FAST-0273B		
		RN	G _{2/11}	FAST-0272A					FAST-0272B		
		RH	G _{2/11}	FAST-0275A					FAST-0275B		
		OC	G _{2/11}	FAST-0276A					FAST-0276B		
		CP	G _{2/11}	FAST-0274A							
			HS	G _{2/11}	FAST-0280A				FAST-0280B		
Neuromedin U	NMU-1R (FM3)	HS	G _{2/11}	FAST-0281A		FAST-0281I		FAST-0281B			
	NMU-2R (FM4)	HS	G _{2/11}	FAST-0281A				FAST-0281B			
Neuropeptide	NPY ₁	HS	G ₁₃	FAST-0320A	FAST-0320C		FAST-0320G	FAST-0320B			
		RN	G ₁₃	FAST-0318A	FAST-0318C						
		MF	G ₁₃	FAST-0319A	FAST-0319C						
	NPY ₂	HS	G _{2/11} , G ₁₃	FAST-0321A	FAST-0321C				FAST-0321B		
		RN	G _{2/11} , G ₁₃	FAST-0324A	FAST-0324C				FAST-0324B		
		MF	G _{2/11} , G ₁₃	FAST-0325A	FAST-0325C				FAST-0325B		
	NPY ₄	HS	G _{2/11} , G ₁₃	FAST-0323A	FAST-0323C				FAST-0323B		
		RN	G _{2/11} , G ₁₃	FAST-0326A	FAST-0326C						
		MF	G _{2/11} , G ₁₃	FAST-0327A	FAST-0327C						
	NPY ₅	HS	G ₁₃	FAST-0322A	FAST-0322C				FAST-0322B		
		RN	G ₁₃	FAST-0328A							
		MF	G ₁₃	FAST-0329A	FAST-0329C						
	GPR7	HS	G ₁₃	FAST-0290A	FAST-0290C		FAST-0290G		FAST-0290B		
		MM	G ₁₃	FAST-0291A							
		RN	G ₁₃	FAST-0292A							
	GPR8	HS	G ₁₃	FAST-0310A	FAST-0310C		FAST-0310G		FAST-0310B		
		HS	G ₁₃	FAST-0412C			FAST-0412G		FAST-0412B		
	NPFF1	HS	G ₁₃				FAST-0295G		FAST-0295B		
NPFF2S	HS	G ₁₃	FAST-0295A					FAST-0295B			
NPS (Ile)	HS	G _s	FAST-0301A					FAST-0301B			
NPS (Asn)	HS	G _s	FAST-0300A			FAST-0300I		FAST-0300B			
QRFP (GPR103)	HS	G _{2/11} , G ₁₃	FAST-0302A								
Neurotensin	NTS ₁	HS	G _{2/11}	FAST-0330A		FAST-0330I		FAST-0330B			
	NTS ₂	HS	G _{2/11}					FAST-0331B			
NMDA	GRIN1	HS	Ion channel					FAST-0361B			
		HS	G ₁₃		FAST-0360C		FAST-0360G	FAST-0360B			
Nociceptin	ORL1	HS	G ₁₃					FAST-0360B			
		RN	G ₁₃					FAST-0362B			
Oleylethanolamide	GPR119*	HS	G _s		FAST-0370C						
		HS	G ₁₃	FAST-0379A	FAST-0379C		FAST-0379G	FAST-0379B			
Opioid	OP1 (d)	HS	G ₁₃	FAST-0380A	FAST-0380C		FAST-0380G	FAST-0380B			
	OP2 (k)	HS	G ₁₃	FAST-0380A	FAST-0380C		FAST-0381G	FAST-0381B			
	OP3 (μ)	HS	G ₁₃	FAST-0381A	FAST-0381C		FAST-0382G		FAST-0381E		
		MM	G ₁₃								
		RN	G ₁₃						FAST-0383B		
Orexin	OX ₁	HS	G _{2/11}	FAST-0390A		FAST-0390I		FAST-0390B			
		MM	G _{2/11}	FAST-0394A							
		RN	G _{2/11}	FAST-0392A			FAST-0392I				
	OX ₂	HS	G _{2/11}	FAST-0391A			FAST-0391I		FAST-0391B		
		MM	G _{2/11}	FAST-0395A							
		RN	G _{2/11}	FAST-0393A			FAST-0393I				
Parathyroid hormone	PTH1	HS	G _s , G _{2/11}		FAST-0140C						
	PTH2	HS	G _s , G _{2/11}		FAST-0141C						
pH sensing	GPR4	HS	G _s		FAST-0901C						
	GPR65	HS	G _{2/11} , G _s		FAST-0927C		FAST-0927I				
Platelet-Activating Factor	GPR68 (OGR1)	HS	G _{2/11} , G _s		FAST-0928C		FAST-0928I				
	PAF	HS	G _s , G _{2/11}	FAST-0650A							
Prokineticin	PKR1	HS	G _{2/11}	FAST-0400A				FAST-0400B			
	PKR2	HS	G _{2/11} , G _s	FAST-0401A	FAST-0401C	FAST-0401I		FAST-0401B			
Prolactin-releasing peptide	PrRP (GPR10)	HS	G _{2/11}	FAST-0410A							
		HS	G ₁₃	FAST-0420A	FAST-0420C		FAST-0420G	FAST-0420B			
Prostanoid	DP2/CRT2	HS	G _s	FAST-0430A	FAST-0430C			FAST-0430B			
	DP	HS	G _s	FAST-0430A	FAST-0430C			FAST-0430B			
	EP ₁	HS	G _{2/11}	FAST-0432A				FAST-0432B			
	EP ₂	HS	G _s		FAST-0443C			FAST-0443B	FAST-0443E		
	EP ₃	HS	G ₁₃	FAST-0444A				FAST-0444B			
	EP ₄	HS	G _s	FAST-0431A	FAST-0431C			FAST-0431B			
	FP	HS	G _{2/11}				FAST-0433I				
	IP ₁	HS	G _s , G _{2/11}		FAST-0434C	FAST-0434I					

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Protease-activated	TP	HS	G _{q11}	FAST-0438A		FAST-0438I					
	PAR1	HS	G _{q11} , G _{12/13}	FAST-0439A			FAST-0439G				
	PAR2	HS	G _{q11} , G _{12/13}	FAST-0440A			FAST-0440G				
	PAR3	HS	G _{q11} , G _{12/13}	FAST-0441A							
Purinergic	PAR4	HS	G _{q11} , G _{12/13}	FAST-0442A							
	P2Y ₁	HS	G _{q11}			FAST-0452I					
	P2Y ₂	HS	G _{q11}			FAST-0453I					
	P2Y ₂ *	HS	G _{q11}			FAST-0454I					
	P2Y ₄	HS	G _{q11}	FAST-0455A			FAST-0455I				
	P2Y ₄	MM	G _{q11}				FAST-0459I				
	P2Y ₆ *	HS	G _{12/13} , G _{12/13}	FAST-0456A							
	P2Y ₁₂	HS	G _{12/13}	FAST-0458A							
	P2Y ₁₂ *	HS	G _{12/13}	FAST-0457F**							
	P2Y ₁₃	HS	G _{12/13}				FAST-0959G				
Relaxin	RXFP1	HS	G ₂								
		MM	G ₂			FAST-0469C					
		RN	G ₂			FAST-0464C					
		CF	G ₂			FAST-0465C					
		OC	G ₂			FAST-0466C					
		SS	G ₂			FAST-0467C					
	RXFP3 (GPCR135)	HS	G _{12/13}	FAST-0470A	FAST-0470C		FAST-0470G				
	RXFP4 (GPCR142)	HS	G _{12/13}	FAST-0471A	FAST-0471C		FAST-0471G				
	Serotonin	5-HT _{1A}	HS	G _{12/13}	FAST-0500A	FAST-0500C		FAST-0500G	FAST-0500B		
			MM	G _{12/13}				FAST-0475G	FAST-0475B		
RN			G _{12/13}				FAST-0515G	FAST-0515B			
CF			G _{12/13}				FAST-0476G	FAST-0476B			
OC			G _{12/13}				FAST-0477G	FAST-0477B			
SS			G _{12/13}				FAST-0478G	FAST-0478B			
5-HT _{1B}		HS	G _{12/13}		FAST-0501C		FAST-0501G	FAST-0501B			
		MM	G _{12/13}				FAST-0478G	FAST-0478B			
		RN	G _{12/13}		FAST-0516C		FAST-0516G	FAST-0516B			
5-HT _{1D}		CF	G _{12/13}				FAST-0479G	FAST-0479B			
		HS	G _{12/13}				FAST-0502G	FAST-0502B			
		MM	G _{12/13}					FAST-0481B			
5-HT _{1E}		RN	G _{12/13}					FAST-0482B			
		CF	G _{12/13}					FAST-0483B			
		OC	G _{12/13}					FAST-0484B			
5-HT _{1F}		HS	G _{12/13}		FAST-0503C		FAST-0503G	FAST-0503B			
		CF	G _{12/13}					FAST-0485B			
		OC	G _{12/13}					FAST-0486B			
5-HT _{1F}		HS	G _{12/13}		FAST-0504C		FAST-0504G	FAST-0504B			
		MM	G _{12/13}					FAST-0487B			
		RN	G _{12/13}					FAST-0488B			
		CF	G _{12/13}					FAST-0489B			
		OC	G _{12/13}					FAST-0490G	FAST-0490B		
		SS	G _{12/13}						FAST-0490B		
5-HT _{2A}		HS	G _{q11}	FAST-0505A			FAST-0505I	FAST-0505B			
		MM	G _{q11}					FAST-0491B			
		RN	G _{q11}	FAST-0517A			FAST-0517I	FAST-0517B			
		CF	G _{q11}				FAST-0492I	FAST-0492B			
		OC	G _{q11}				FAST-0493I	FAST-0493B			
		SS	G _{q11}				FAST-0493I	FAST-0493B			
5-HT _{2B}	HS	G _{q11}	FAST-0506A			FAST-0506I	FAST-0506B				
	RN	G _{q11}	FAST-0518A			FAST-0518I	FAST-0518B				
5-HT _{2C} non edited	HS	G _{q11}	FAST-0508A			FAST-0508I	FAST-0508B				
	RN	G _{q11}	FAST-0519A								
5-HT _{2C} edited	HS	G _{q11}	FAST-0507A			FAST-0507I	FAST-0507B				
	HS	Ion channel	FAST-0512A				FAST-0512B				
5-HT _{2a}	HS	G ₂			FAST-0513C		FAST-0513B				
	RN	G ₂			FAST-0495C						
5-HT _{2b}	HS	G _{12/13}	FAST-0510A				FAST-0510B				
	HS	G ₂	FAST-0509A		FAST-0509C		FAST-0509B				
5-HT _{2c}	MM	G ₂			FAST-0590C		FAST-0590B				
	RN	G ₂			FAST-0494C		FAST-0494B				
	HS	G ₂			FAST-0511C		FAST-0511B				
	RN	G ₂			FAST-0499C						
Sigma	σ ₁	HS	unidentified					FAST-0514B			
	HS	G ₂					FAST-0520G	FAST-0520B			
Somatostatin	ss1 ₁	HS	G ₂				FAST-0520G	FAST-0520B			
	ss1 ₂	HS	G ₂	FAST-0521A	FAST-0521C		FAST-0521G	FAST-0521B			
	ss1 ₃	HS	G ₂	FAST-0522A	FAST-0522C		FAST-0522G	FAST-0522B			
	ss1 ₄	HS	G ₂	FAST-0523A	FAST-0523C		FAST-0523G	FAST-0523B			
	ss1 ₅	HS	G ₂	FAST-0524A	FAST-0524C		FAST-0524G	FAST-0524B			
	ss1 ₅	HS	G ₂	FAST-0524A	FAST-0524C		FAST-0524G	FAST-0524B			
Sphingosine	S ₁ P ₁ (Edg1)	HS	G _{12/13}	FAST-0197A	FAST-0197C						
		MM	G _{12/13}	FAST-0625A							
		RN	G _{12/13}	FAST-0634A	FAST-0634C						
		CF	G _{12/13}	FAST-0627A							
	S ₁ P ₂ (Edg5)	HS	G _{12/13} , G _{12/13} , G _{12/13}	FAST-0198A							
		HS	G _{12/13} , G _{12/13} , G _{12/13}	FAST-0199A							
	S ₁ P ₃ (Edg3)	CF	G _{12/13}	FAST-0628A							
		HS	G _{12/13} , G _{12/13} , G _{12/13}	FAST-0200A						FAST-0200T	
	S ₁ P ₄ (Edg6)	HS	G _{12/13} , G _{12/13}	FAST-0201A				FAST-0201G	FAST-0201E		
		MM	G _{12/13} , G _{12/13}	FAST-0626A							
S ₁ P ₄ (Edg8)	CF	G _{12/13}	FAST-0629A								
	HS	G _{12/13} , G _{12/13}	FAST-0450A	FAST-0450C							
Succinate/Keto glutarate	GPR91	MM	G _{12/13} , G _{12/13}	FAST-0449A	FAST-0449C						
		RN	G _{12/13} , G _{12/13}	FAST-0451A	FAST-0451C						
		HS	G _{12/13}	FAST-0940A							
Trace amine	TAAR1 (TA1)	HS	G ₂		FAST-0987C						
	TAAR2 (GPR58)	HS	unidentified	FAST-0923***							
	TAAR5 (PNR)	HS	unidentified	FAST-0952***							
	TAAR6 (TA4)	HS	unidentified	FAST-0989***							
	TAAR8 (TA5)	HS	unidentified	FAST-0990***							
	TAAR9 (TA3)	HS	unidentified	FAST-0988***							
TRH	TRH	HS	G ₂	FAST-0530A		FAST-0530I		FAST-0530B			
	EGFR	HS	PLC	FAST-1600A							
Tyrosine kinase receptor	UT-II	HS	G _{q11}	FAST-0540A		FAST-0540I		FAST-0540B			
		RN	G _{q11}	FAST-0541A							
Vasopressin	V _{1a}	HS	G _{q11}	FAST-0550A		FAST-0550I		FAST-0550B			
		MM	G _{q11}	FAST-0546A							
		RN	G _{q11}	FAST-0555A			FAST-0555I				
		CF	G _{q11}	FAST-0556A			FAST-0556I				
		OC	G _{q11}	FAST-0547A							
		SS	G _{q11}								
	V _{1b}	HS	G _{q11}	FAST-0551A			FAST-0551I		FAST-0551B		
		RN	G _{q11}				FAST-0553I		FAST-0553B		
	V ₂	HS	G ₂	FAST-0552A	FAST-0552C	FAST-0552I		FAST-0552B			
		RN	G ₂		FAST-0557C						
	OT (oxytocin)	CF	G ₂		FAST-0558C						
		HS	G _{q11}	FAST-0554A			FAST-0554I				
		MM	G _{q11}	FAST-0548A							
		RN	G _{q11}	FAST-0559A			FAST-0559I				
OC		G _{q11}	FAST-0549A								
SS		G _{q11}									
VIP/PACAP	PAC ₁	HS	G ₂	FAST-0560A	FAST-0560C						
	VPAC ₁	HS	G ₂	FAST-0561A	FAST-0561C			FAST-0561B	FAST-0561E		
	VPAC ₂	HS	G ₂	FAST-0562A	FAST-0562C						
		HS	G ₂								

*: Receptors could have limited access due to patent restrictions in certain territories

** : this assay is performed using fluorescent calcium measurement

*** : means that the cell line is available for functional assay. It has been validated for mRNA, cell surface expression and constitutive activity but not with a ligand

Assays available for use in testing services and research agreements provided by Euroscreen

New assay

WE PERFORM CUSTOMIZED ASSAY DEVELOPMENTS IN ADDITION TO THE CATALOGUE. PLEASE REQUEST IF YOU DON'T FIND WHAT YOU ARE LOOKING FOR
 HS = *Homo Sapiens*; MM = *Mus Musculus*; RN = *Rattus Norvegicus*; CF = *Canis Familiaris*; CP = *Guinea Pig (Cavia Porcellus)*

Biomarkers

FAMILY	Biomarker	SPECIES	Cellular	
Cytokine	IFN γ	HS	FAST-1100	
	IL1 β	HS	FAST-1101	
	IL2	HS	FAST-1102	
	IL4	HS	FAST-1103	
	IL5	HS	FAST-1104	
	IL6	HS	FAST-1105	
	IL8	HS	FAST-1106	
	IL10	HS	FAST-1107	
	IL12	HS	FAST-1108	
	IL17	HS	FAST-1109	
	TNF α	HS	FAST-1110	
	Insulin	HS	FAST-1111	
	Amyloid	Amyloid β 1-40	HS	FAST-1112

ADME/TOX

FAMILY	Target	SPECIES	Detection	Assay
Cytochrome	CYP1A2	HS	Luminescence	FAST-1200
	CYP2C9	HS		FAST-1201
	CYP2C19	HS		FAST-1202
	CYP2D6	HS		FAST-1203
	CYP3A4	HS		FAST-1204
	CYP19 (aromatase)	HS		Fluorescence
Cytotoxicity	HepG2	HS	Luminescence	FAST-1205
Metabolic Stability	Microsome	HS	HPLC / MS	FAST-1206
Plasma Protein Binding	Equilibrium dialysis	HS	HPLC MS / MS	FAST-1207
ion channel	hERG	HS	Radiometric	FAST-1208

Tyrosine Kinase Receptor

FAMILY	Target	SPECIES	Cellular
RTK	EGF-R	HS	FAST-1600A

Enzymatic activity

FAMILY	Target	SPECIES	Detection	Biochemical	Cellular
5 α -reductase	SRD5A1	HS	HTRF		FAST-1408
Acetylcholine-esterase	AchE	HS	Fluorescence	FAST-1403	
Catechol-O-Methyltransferase	COMT	HS	Absorbance	FAST-1402	
Cyclooxygenase	COX2	HS	Absorbance	FAST-1406	
Monoamine Oxidase	MAO-A	HS	Luminescence	FAST-1400	
	MAO-B	HS	Luminescence	FAST-1401	
NO synthase	eNOS	HS	Radiometric	FAST-1407	
Phosphodiesterase	PDE3	HS	HTRF	FAST-1404	
	PDE4	HS	HTRF	FAST-1405	

Ion Channels

FAMILY	Subfamily	Target	SPECIES	Binding	Cellular
Ligand-gated	GABA	BZD (Central)	RN	FAST-1302	
	Glutamate	GRIN1	HS	FAST-0361B	
	Serotonin	5-HT $_3$	HS	FAST-0512B	FAST-0512A
Voltage-gated	K $^+$ channel	hERG	HS	FAST-1208	
		N neuronal α 4 β 2	RN	FAST-1303	
	Nicotinic	Diltiazem site	RN	FAST-1304	
		Dihydropyridine site	RN	FAST-1305	
		Verapamil site	RN	FAST-1306	
	TRP Channels	TRPA1	HS		FAST-1301A
TRPV1		HS		FAST-1300A/I	

Transporters

FAMILY	Transporter	SPECIES	Binding
Amine transporters	Dopamine	HS	FAST-1000B
	Norepinephrine	HS	FAST-1001B
	Serotonin	HS	FAST-1002B

 k_{on}/k_{off}

Assays validated for determining association and dissociation constants of test compound using kinetics of radioligand competition binding

FAMILY	Target	SPECIES	Binding
Chemokine	CCR2b	HS	FAST-060B
Dopamine	D $_{2L}$	HS	FAST-0101B
	D $_{2S}$	HS	FAST-0102B
	D $_3$	HS	ES-173B
Serotonin	5-HT $_{1A}$	HS	FAST-0500B
	5-HT $_{1B}$	HS	FAST-0501B
	5-HT $_{1D}$	HS	FAST-0502B
	5-HT $_{2B}$	HS	FAST-0506B
Somatostatin	sst $_2$	HS	FAST-0521B
	sst $_3$	HS	FAST-0522B
	sst $_5$	HS	FAST-0524B
Vasopressin	V $_{1a}$	HS	FAST-0550B

Profiling

All profilings are aimed at using naturally-coupled signaling pathways

FAMILY	Target number	SPECIES
ADME/TOX	9	HS
Chemokine	20	HS
	18	MM
CNS	37	HS
Diversity	57	HS
Inflammation	56	HS
Metabolic	54	HS
mGlu	8	HS
Muscarinic	5	HS
Orphan	79	HS
Safety	44	HS/RN
Sensory Pain	42	HS
Serotonin	14	HS