

Supplementary Table 1

Database identifiers and gene symbols of the 85 proteins used for Figure 1.

Species	Gene symbol	Entrez gene id	Homologene	Protein	aa	gene synonyms	PSIBLAST evidence	Rank back
Homo sapiens	MRGPRX3	117195	79615	NP_473372	322			
Pan troglodites	MRGPRX3	466454	79615	XP_001172934	322			
Macacca mulatta	MRGPRX3	692077	79615	NP_001035511	322			
Mus musculus	Mrgpra9	668725	79615	NP_001171037	331			
Mus musculus	Mrgpra2a	668727	79615	NP_001166059	331			
Mus musculus	Mrgpra1	233221	79615	NP_694735	331			
Mus musculus	Mrgpra2b	235712	79615	NP_694741	331	MrgA2		
Rattus norvegicus	Mrgprx3	252960	79615	NP_665730	331			
Homo sapiens	MRGPRX1	259249	86246	NP_671732	322			
Pan troglodites	MRGPRX1	451070	86246	XP_001173536	322			
Macacca mulatta	MRGPRX1	692101	86246	NP_001035707	322			
Mus musculus	Mrgprb2	243979	86246	NP_780740	338	MrgB6		
Rattus norvegicus	Mrgprb2	502338	86246	XP_577804	312			
Homo sapiens	MRGPRX4	117196	86184	NP_473373	322			
Pan troglodites	MRGPRX4	466456	86184	XP_521855	322			
Macacca mulatta	MRGPRX4	692123	86184	NP_001035708	322			
Mus musculus	Mrgprx1	404242	86184	NP_997423	322			
Rattus norvegicus	Mrgprx1	282547	86184	NP_750845	337			
Gallus gallus	LOC430433	430433	86184	XP_427992	282			
Gallus gallus	LOC776507	776507	86184	XP_001236025	305			
Gallus gallus	MRGPRH	425998	86184	XP_423677	317			
Homo sapiens	MRGPRX2	117194	24986	NP_473371	330			
Pan troglodites	MRGPRX2	466465	24986	XP_521864	329			
Macacca mulatta	MRGPRX2	691078	24986	NP_001035512	329			
Mus musculus	Mrgprb1	233231	24986	NP_991379	350			
Mus musculus	Mrgprx2	243978	24986	NP_001030040	352			
Rattus norvegicus	Mrgprx2	406640	24986	NP_001002280	294	MrgB10		

Homo sapiens	MAS1	4142	1782	NP_002368	325
Pan troglodites	MAS1	472176	1782	XP_527553	325
Macacca mulatta	MAS1	703105	1782	XP_001098523	325
Mus musculus	Mas1	17171	1782	NP_032578	324
Rattus norvegicus	Mas1	25153	1782	NP_036889	324
Gallus gallus	MAS1	428594	1782	XP_426151	329

Xenopus tropicalis	LOC100485736	100485736	n.a.	XP_002937933	330	best Homo Sapiens	NP_002368	MAS1	90%	4.00E-60	1	88%	7.00E-65
Xenopus tropicalis	LOC101732479	101732479	n.a.	XP_004915725	327	best Homo Sapiens	NP_002368	MAS1	93%	5.00E-41	3	92%	8.00E-41
Xenopus tropicalis	LOC100492446	100492446	n.a.	XP_002936477	321	best Homo Sapiens	NP_002368	MAS1	98%	2.00E-39	4	95%	3.00E-39
Xenopus tropicalis	LOC100492615	100492615	n.a.	XP_002936478	355	best Homo Sapiens	NP_944605	MRGPRD	87%	2.00E-42	3	89%	3.00E-33
Xenopus tropicalis	LOC100492282	100492282	n.a.	XP_002936476	353	best Homo Sapiens	NP_002368	MAS1	84%	8.00E-44	6	88%	3.00E-31
Xenopus tropicalis	LOC100494761	100494761	n.a.	XP_002938917	331	best Homo Sapiens	NP_944605	MRGPRD	92%	1.00E-57	1	95%	2.00E-60
Xenopus tropicalis	LOC100490494	100490494	n.a.	XP_002937955	477	best Homo Sapiens	NP_001453	FPR2	67%	3.00E-61			

Homo sapiens	MRGPRF	116535	17023	NP_001091985	343	
Pan troglodites	MRGPRF	466687	17023	XP_522086	343	
Macacca mulatta	MRGPRF	721546	17023	XP_001117722	327	
Mus musculus	Mrgprf	211577	17023	NP_663354	343	
Rattus norvegicus	Mrgprf	266762	17023	NP_714944	343	RTA

Homo sapiens	MRGPRD	116512	18893	NP_944605	321
Pan troglodites	MRGPRD	466686	18893	XP_522085	321
Macacca mulatta	MRGPRD	709555	18893	XP_001101665	337
Mus musculus	Mrgprd	211578	18893	NP_987075	321
Rattus norvegicus	Mrgprd	293648	18893	NP_001001506	319

Homo sapiens	MRGPRE	116534	18469	NP_001034254	311
Pan troglodites	MRGPRE	466323	18469	XP_521722	312
Macacca mulatta	MRGPRE	706822	18469	XP_001096746	311
Mus musculus	Mrgpre	244238	18469	NP_780743	310
Rattus norvegicus	Mrgpre	404660	18469	NP_001002288	309

Homo sapiens	MRGPRG	386746	28580	NP_001157849	289	
Pan troglodites	MRGPRG	466322	28580	XP_521721	289	
Macacca mulatta	MRGPRG	721253	28580	XP_001117348	293	
Mus musculus	Mrgprg	381974	28580	NP_987077	289	
Rattus norvegicus	Mrgprg	309133	28580	NP_982296	289	
Homo sapiens	MAS1L	116511	50478	NP_443199	378	
Pan troglodites	MAS1L	462526	50478	XP_518317	403	
Macacca mulatta	LOC708687	708687	50478	XP_001097172	412	
Mus musculus	Mrgpra3	233222	131159	NP_694707	329	
Mus musculus	Mrgpra4	235854	131159	NP_705744	313	
Mus musculus	Mrgpra8	404237	n.a.	NP_997419	305	
Mus musculus	Mrgpra7	404236	n.a.	NP_997418	305	
Mus musculus	Mrgpra6	381886	n.a.	NP_991390	240	
Mus musculus	Mrgpra5	404235	n.a.	NP_997417	287	
Mus musculus	Mrgprb3	404238	n.a.	NP_997420	312	
Rattus norvegicus	Mrgprx2l	404645	n.a.	NP_001002285	314	
Mus musculus	Mrgprb4	233230	115575	NP_991364	321	
Mus musculus	Mrgprb5	404239	115575	NP_997421	322	
Rattus norvegicus	Mrgprb5	404644	115575	NP_001002284	353	
Rattus norvegicus	Mrgprb4	404658	115575	NP_001002287	323	
Mus musculus	Mrgprb8	404240	83620	NP_997422	330	
Mus musculus	Mrgprb13	620137	83620	XP_889617	339	
Mus musculus	Mrgprh	80978	12758	NP_109651	321	Gpr90
Rattus norvegicus	Mrgprh	404641	12758	NP_001002281	321	

Homo sapiens	FPR1					
Pan troglodites	FPR1					
Macacca mulatta	FPR1					
Mus musculus	Fpr1	14293	20466	NP_038549	364	FMLP
Rattus norvegicus	Fpr1					

Mus musculus	Mrgpra19	404250	n.a.	n.a.		
Mus musculus	Mrgpra13	404246	n.a.	n.a.		
Mus musculus	Mrgpra16	404249	n.a.	n.a.		
Mus musculus	Mrgpra12	404245	n.a.	n.a.		
Mus musculus	Mrgpra14	404247	n.a.	n.a.		
Mus musculus	Mrgpra15	404248	n.a.	n.a.		
Mus musculus	Mrgpra11	404244	n.a.	n.a.		
Mus musculus	Mrgpra10	404243	n.a.	n.a.		
Mus musculus	Mrgprb11	404251	<u>n.a.</u>	n.a.		