

Supporting Table 4

List of identified and putative genes within the *Toxo1* interval*

Sequence accession	Gene Symbol	UniGene description	Human ^{†§}	Mouse ^{‡§}
NM_053484	Gas7	Growth arrest specific 7	GAS7	Gas7
NM_080901	Rcvrn	Recoverin	RCV1	Rcvrn
NM_021848	Glp2r	Glucagon-like peptide 2 receptor	GLP2R	Glp2r
NM_031656	Stx8	Syntaxin 8	STX8	Stx8
NM_053731	Ntn1	Netrin 1	NTN1	Ntn1
NM_031520	Myh10	Myosin heavy chain 10, non-muscle	MYH10	Myh10
NM_133320	Ndel1	NudE nuclear distribution gene E homolog like 1(A. nidulans)	NDEL1	/
NM_001007670	Odf4	OPPO 1	ODF4	Odf4
NM_053749	Aurkb	Aurora kinase B	AURKB	Aurkb
NM_012663	Vamp2	Vesicle-associated membrane protein 2	VAMP2	Vamp2
AB092976	Per1	Period homolog 1 (Drosophila)	PER1	Per1
NM_153301	Alox15b	Arachidonate 15-lipoxygenase, second type	ALOX15B	Alox15b
NM_024380	Gucy2e	Guanylyl cyclase (GC-E)	GUCY2D	Gucy2e
NM_031652	Kcnab3	Potassium voltage gated channel, shaker related subfamily, beta member 3	KCNAB3	Kcnab3
D26493	DLP2	Dynein-like protein 2	/	/
NM_001007610	MGC94565	Similar to hypothetical protein MGC28622	/	/
NM_030989	Tp53	Tumor protein p53	TP53	Trp53
NM_012507	Atp1b2	ATPase, Na ⁺ /K ⁺ transporting, beta 2 polypeptide	ATP1B2	Atp1b2
NM_012650	Shbg	Sex hormone binding globulin	SHBG	Shbg

NM_199372	Eif4a1	Similar to eukaryotic translation initiation factor 4A1; initiation factor eIF-4A long form	/	/
NM_001009623	Tnfsf13	Tumor necrosis factor ligand superfamily member 13 predicted	TNFSF13	/
NM_001001513	Tnfsf12	Tumor necrosis factor ligand superfamily member 12	/	/
NM_012528	Chrnbl	Cholinergic receptor, nicotinic, beta polypeptide 1 (muscle)	CHRNB1	Chrnbl
NM_130816	Fgf11	Fibroblast growth factor 11	FGF11	Fgf11
NM_053992	Nlgn2	Neurologin 2	NLGN2	/
NM_012751	Slc2a4	Solute carrier family 2 (facilitated glucose transporter), member 4	SLC2A4	Slc2a4
AJ011811	Cldn7	Claudin 7	CLDN7	Cldn7
NM_001001718	DERP6	Dermal papilla derived protein 6	/	/
NM_172036	Gabarap	Gamma-aminobutyric acid receptor associated protein	GABARAP	Gabarap
NM_001004272	MGC94192	Similar to PHD zinc finger containing protein JUNE1	/	/
NM_012891	Acadvl	Acyl-Coenzyme A dehydrogenase, very long chain	ACADVL	Acadvl
NM_019621	Dlgh4	Discs, large homolog 4 (Drosophila)	DLG4	Dlgh4
NM_012503	Asgr1	Asialoglycoprotein receptor 1	ASGR1	Asgr1
NM_017189	Asgr2	Asialoglycoprotein receptor 2	ASGR2	Asgr2
NM_022393	Mgl1	Macrophage galactose N-acetyl-galactosamine specific lectin 1	/	Mgl1
NM_001005530	MGC93826	Similar to RIKEN cDNA 1700007D07	/	/
NM_031010	Alox15	Arachidonate 12-lipoxygenase	ALOX15	Alox15
NM_012911	Arrb2	Arrestin, beta 2	ARRB2	Arrb2
NM_057099	Psmb6	Proteasome (prosome, macropain) subunit, beta type 6	PSMB6	Psmb6

NM_033299	Pld2	Phospholipase D2	PLD2	Pld2
NM_017194	Chrne	Cholinergic receptor, nicotinic, epsilon polypeptide	CHRNE	Chrne
NM_022398	LOC64201	2-oxoglutarate carrier	SLC25A11	Slc25a11
NM_022511	Pfn1	Profilin 1	PFN1	Pfn1
NM_012949	Eno3	Enolase 3, beta	/	Eno3
NM_145877	Kif1c	Kinesin family member 1C	/	/
NM_019124	Rabep1	Rabaptin 5	/	/
NM_053616	Prei2	Preimplantation protein 2	NUP88	Nup88
NM_019259	C1qbp	Complement component 1, q subcomponent binding protein	NUP88	Nup88
NM_021590	Aipl1	Aryl hydrocarbon receptor-interacting protein-like 1	AIPL1	Aipl1
NM_170668	Nact	Sodium-coupled citrate transporter	/	/
NM_053508	Tekt1	Tektin 1	TEKT1	Tekt1
NM_001002820	Ggt6	Gamma-glutamyl transferase 6	/	/
NM_031668	Mybbp1a	MYB binding protein (P160) 1a	MYBBP1A	Mybbp1a
NM_022690	Ube2g1	Ubiquitin-conjugating enzyme E2G 1 (UBC7 homolog, C. elegans)	UBE2G1	/
NM_001007671	MGC94212	Similar to hypothetical protein MGC32124	/	/
NM_012914	Atp2a3	ATPase, Ca ⁺⁺ transporting, ubiquitous	ATP2A3	Atp2a3
NM_012997	P2rx1	Purinergic receptor P2X, ligand-gated ion channel, 1	P2RX1	P2rx1
NM_031662	Camkk1	Calcium/calmodulin-dependent protein kinase kinase 1, alpha	CAMKK1	Camkk1
NM_080780	P2rx5	Purinergic receptor P2X, ligand-gated ion channel, 5	P2RX5	P2rx5
NM_031982	Trpv1	Transient receptor potential cation channel, subfamily V, member 1	TRPV1	Trpv1

NM_024399	Aspa	Aspartoacylase	ASPA	Aspa
NM_001000024	Olr1466	Olfactory receptor gene Olr1466	/	/
NM_001000025	Olr1467	Olfactory receptor gene Olr1467	/	/
NM_001000724	Olr1468	Olfactory receptor gene Olr1468	/	/
NM_212527	Olr1469	Olfactory receptor gene Olr1469	/	/
NM_001000723	Olr1470	Olfactory receptor gene Olr1470	/	/
NM_001000722	Olr1471	Olfactory receptor gene Olr1471	/	/
NM_001000944	Olr1472	Olfactory receptor gene Olr1472	/	/
NM_001000943	Olr1474	Olfactory receptor gene Olr1474	/	/
NM_001000027	Olr1475	Olfactory receptor gene Olr1475	/	/
NM_001000721	Olr1479	Olfactory receptor gene Olr1479	/	/
NM_001000527	Olr1481	Olfactory receptor gene Olr1481	/	/
NM_001000026	Olr1482	Olfactory receptor gene Olr1482	/	/
NM_001000028	Olr1485	Olfactory receptor gene Olr1485	/	/
NM_001000720	Olr1486	Olfactory receptor gene Olr1486	/	/
NM_001000719	Olr1488	Olfactory receptor gene Olr1488	/	/
NM_001000718	Olr1490	Olfactory receptor gene Olr1490	/	/
NM_001000717	Olr1491	Olfactory receptor gene Olr1491	/	/
NM_001000029	Olr1492	Olfactory receptor gene Olr1492	/	/
NM_001000716	Olr1496	Olfactory receptor gene Olr1496	/	/
NM_001000030	Olr1498	Olfactory receptor gene Olr1498	/	/
NM_001000031	Olr1499	Olfactory receptor gene Olr1499	/	/
NM_001000942	Olr1500	Olfactory receptor gene Olr1500	/	/
NM_001000715	Olr1501	Olfactory receptor gene Olr1501	/	/
NM_001000495	Olr1504	Olfactory receptor gene Olr1504	/	/
NM_001000032	Olr1505	Olfactory receptor gene Olr1505	/	/

* : this list was established using the "genome annotation tool" of the Rat Genome Database : <http://rgd.mcw.edu/sequenceresources/genome-annotation.shtml>. (Twigger, S. N., Pasko, D., Nie, J., Shimoyama, M., Bromberg, S., Campbell, D., Chen, J., dela Cruz, N., Fan, C., Foote, C., Harris, G., Hickmann, B., Ji, Y., Jin, W., Li, D., Mathis, J., Nenasheva, N., Nigam, R., Petri, V., Reilly, D., Ruotti, V., Schauburger, E., Seiler, K., Slyper, R., Smith, J., Wang, W., Wu, W., Zhao, L., Zuniga-Meyer, A., Tonellato, P. J., Kwitek, A. E. & Jacob, H. J. (2005) *Physiol Genomics* **23**, 246-56.). A

† : Human orthologous gene found in the syntenic region of the human genome, in p13.2-13.1 on chromosome 17

‡ : mouse orthologous gene found in the syntenic region of the mouse genome, in B3-B4 on chromosome 11

§ : A three-way comparative map (human-rat-mouse) is shown in the supporting figure 3.

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