

LMO4

Genus

Human

Mouse

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Human	M	V	N	P	G		S	S	S	Q	P	P	P	V	T	A	G	S	L	S	W	K	R	C	A	G	C	G	G
Mouse																													

Monkey

Guinea Pig

Rabbit

Rat

Cat

Dog

Cow

Horse

Bird (genus)

Frog

Zebrafish

Japanese Pufferfish

Pufferfish

Monkey																													
Guinea Pig																													
Rabbit																													
Rat																													
Cat																													
Dog																													
Cow																													
Horse																													
Bird (genus)							G		A																				
Frog				N	R	V	T	E		T	T	T	A		S	S	N	G	G	P	P		A						
Zebrafish				S	R	V	E			A	V	A	V	T	G	G	S	G	G	A	V	R	S						
Japanese Pufferfish				S	R	L	E	L	P	A	V	S	V		G	G		C	S	G	A	R	S						
Pufferfish	L	L				R		G		R	A	S	V		L	G		N	S		F	Q	T						

KEY



Amino acid



No amino acid



Different amino acid



Conserved amino acid



Amino acids involved in Zn binding

Conserved aa K, R

Conserved aa F, Y, W

Conserved aa D, E

Conserved aa A, I, L, V

LIM1 DOMAIN

30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66
K	I	A	D	R	F	L	L	Y	A	M	D	S	Y	W	H	S	R	C	L	K	C	S	C	C	Q	A	Q	L	G	D	I	G	T	S	C	Y

R	S							S	E	R					T																							
R	T						F	S		R					T			R							H	E			E	F	S	R			S	T	F	
R							F	S		E	R				T			R							H				A	L	S	R						

