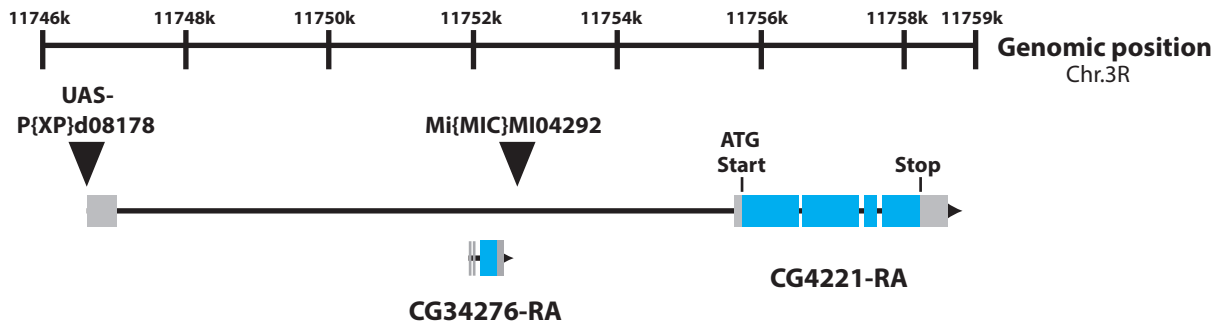


A



B

Drosophila Fbxl7	1	MSHKT SNRR SSDLECP LAS LGRNSNAVRDHYHHHPPLSS SP LDPQAY KMMSRK SPNPGLEVAEALASRSTPP SDQAGA SSTA AAAAVLHMVQKKAATFE	100
Human FBXL7	1	-----	-----
Mouse FBXL7	1	-----	-----
Zebrafish Fbxl7	1	-----	-----
Drosophila Fbxl7	101	L RGRH SRPT EQQT SYGAHSTA SVGRHAKK SP ELPA PARS RVAP VPQPRNF LT LEHVLQFGT QRP SWMHGNSADTEDS SDNNAGGGGAGSGSGGAGGRRA	200
Human FBXL7	-----	-----	-----
Mouse FBXL7	-----	-----	-----
Zebrafish Fbxl7	-----	-----	-----
Drosophila Fbxl7	201	X GGGRC SVPT VLSNGSGGNAQYLLDDKKMESLYLGNALRT LP LGAEASQFQNERYY LEDYSSSGSNERLPERLHPRTSSP SETSGSDRYLLNRSSNSNH	300
Human FBXL7	1	-----	-----
Mouse FBXL7	1	-----	-----
Zebrafish Fbxl7	1	-----	-----
Drosophila Fbxl7	301	LHSKGQSLSDGLCNLGRFSPSLDQGYATLVS PPTGHHS SGGAGNVNTSTASGAGIMASSTPTTTT PRRG--ASSNGLGGGAA-SAIGPP PWNRR-----	391
Human FBXL7	30	TPTKAQKN-----VATSESDLSMRTLSTPSPALIC-----PPNLPGFQNGRGSSTSSSSITGETVAMVHSPPTRTLTHPLIR	102
Mouse FBXL7	30	TPTKAQRN-----VATSESDLSMRTLSTPSPALIC-----PPNLPGFQNGRGSSTSSSSITGETVAMVHSPPTRTLTHPLIR	102
Zebrafish Fbxl7	30	TSTKAPKN-----AATSESDLSMRTLSTPSPALIL-----PPRSSAV-LNGSSTSSSTFGTETIAMVHMRPTSLTHPQR	100
F-box			
Drosophila Fbxl7	392	--KGFRCGPLFDRLPDEAVRIFSWLDSCELCNVARVCRRFEHLAWRPILWKVSLRGEHLNGDKTKMIFRLCGQSCNGACP EVERVMLADGCRISD	489
Human FBXL7	103	LASRPQKEQASIDRLPDHSMVQIFSF LPTNQLCRCARVCRRWYNLAWDPRLWRTIRLTGET INVDRALKVLRRLCQDT-PNVCLMLETVT VSGCRR LTD	201
Mouse FBXL7	103	LASRPQKEQASIDRLPDHSMVQIFSF LPTNQLCRCARVCRRWYNLAWDPRLWRTIRLTGET INVDRALKVLRRLCQDT-PNVCLMLETVT VSGCRR LTD	201
Zebrafish Fbxl7	101	LQPRDQGGAPVDILPDHAFLOIFTHLPTNQLCRCARVCRRWYNLAWDPRLWRTIRLTGDV LHVDRARVLRRLCQDT-PNVCLTVETVMVSGCRR LTD	199
LRR1			
Drosophila Fbxl7	490	KGLQLLTRRCPELTHLQQTVDITNQA LVEALTKCSNLQHLVDVTCGSQVSSI SPNPHME-----PPRRL LQYLDLTDCAIDMDMGLKIVVKNCPLV	583
Human FBXL7	202	RGLYTIAQCCEP LRRLEVS GGCYNISNEAVFDVSLCPNLEHLDVSGCSKVTCISLTREASIKLSPLHGKQISIRYLDMTDCFVLEDEGLHTIAAHCTQLT	301
Mouse FBXL7	202	RGLYTIAQCCEP LRRLEVS GGCYNISNEAVFDVSLCPNLEHLDVSGCSKVTCISLTREASIKLSPLHGKQISIRYLDMTDCFVLEDEGLHTIAAHCTQLT	301
Zebrafish Fbxl7	200	RGLYTVAQSCPELRRLEVAGCYNISNEAVFEVSRCPNLEHLDVSGCSKVTCISLT RDVS VKLSPLHGKQISIRYLDMTDCFALEDEGLHTIAAHCTQLT	299
LRR2			
Drosophila Fbxl7	584	YLYLRRCIQVTDAGLKFVPSFVSLKELSVSDCLNITDFGLYELAKLGAA LRYLSVAKCERVSDAGLKVIA RRCYKLRYL NARGCEAVSDDSITVLARS	683
Human FBXL7	302	HLYLRRCVRLTDEGLRYLVIIYCASIKELSVSDCLNITDFGLYELAKLGAA LRYLSVAKCERVSDAGLKVIA RRCYKLRYL NARGCEGITDHGVEYLAKNC	401
Mouse FBXL7	302	HLYLRRCVRLTDEGLRYLVIIYCASIKELSVSDCLNITDFGLYELAKLGAA LRYLSVAKCERVSDAGLKVIA RRCYKLRYL NARGCEGITDHGVEYLAKNC	401
Zebrafish Fbxl7	300	HLYLRRCVRLTDEGLRFLVIYCPGVRELSVSDCLNITDFGLYELAKLGAA LRYLSVAKCERVSDAGLKVIA RRCYKLRYL NARGCEGLTDHGIEHLAKSC	399
LRR3			
Drosophila Fbxl7	684	PRLRALDIGKCD-VSDAGLRLAESCPNLKLSLRSCDMITDRGVQCIAYYCRGLQQLNIQDCPVSI EGYRAVKKYKRCIIEHTNP GFC	772
Human FBXL7	402	TKLKSLDIGKCPVSDTGLSCLALNCFNLKRLSLKSCESITGGLQIVAA NCFDLQMLNVQDCQVSV EALRFVKRHKCRKVIIEHTNPAFF	491
Mouse FBXL7	402	TKLKSLDIGKCPVSDTGLSCLALNCFNLKRLSLKSCESITGGLQIVAA NCFDLQMLNVQDCQVSV EALRFVKRHKCRKVIIEHTNPAFF	491
Zebrafish Fbxl7	400	LKLKSLDIGKCPVSDAGLEQLALNSFNLKRLSLKSCESITGRGLQVVA NCFDLQLNVQDCQVSL EALRFVKRHKCRKVIIEHTNPAFF	489

C

Residue	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			
LRR1	476	V	E	R	V	M	L	A	D	G	C	R	I	S	D	K	G	L	Q	L	T	R	R	C	P	E			
LRR2	502	L	T	H	L	Q	L	Q	T	C	V	D	I	T	N	Q	A	L	V	E	A	L	T	K	C	S	N		
LRR3	528	L	Q	H	L	D	V	T	G	C	S	Q	V	S	S	I	S	P	N	H	M	E	P	P	R	L	L		
LRR4	556	L	Q	Y	L	D	L	T	D	C	M	A	I	D	D	M	G	L	K	I	V	V	K	N	C	P	Q		
LRR5	582	L	V	Y	L	Y	L	R	R	C	I	Q	V	T	D	A	G	L	K	F	V	P	S	F	V	S			
LRR6	608	L	K	E	L	S	V	S	D	C	L	N	I	T	D	F	G	L	Y	E	L	A	K	L	G	A	A		
LRR7	634	L	R	Y	L	S	V	A	K	C	E	R	V	S	D	A	G	L	K	V	I	A	R	R	C	Y	K		
LRR8	660	L	R	Y	L	N	A	R	G	C	E	A	V	S	D	S	I	T	V	L	A	R	S	C	P	R			
LRR9	686	L	R	A	L	D	I	G	K	C	D	V	-	S	D	A	G	L	R	A	L	A	E	S	C	P	N		
LRR10	711	L	K	K	L	S	L	R	S	C	D	M	I	T	D	R	G	V	Q	C	I	A	Y	C	R	G			
LRR11	737	L	Q	Q	L	N	I	Q	S	C	P	V	-	S	I	E	G	R	A	V	K	K	Y	C	K	R			
LRR1	188	L	E	T	V	T	V	S	G	C	R	R	L	T	D	R	G	L	Y	T	I	A	Q	C	P	E			
LRR2	214	L	R	R	L	E	V	S	G	C	Y	N	I	S	N	E	A	V	F	D	V	V	S	L	C	P	N		
LRR3	240	L	E	H	L	D	V	S	G	C	S	K	V	T	C	I	S	L	T	R	E	A	S	I	K	L	S		
LRR4	274	I	R	Y	L	D	M	T	D	C	F	V	L	E	D	E	G	L	H	T	I	A	A	H	C	T	Q		
LRR5	300	L	T	H	L	Y	L	R	R	C	V	R	L	T	D	E	G	L	R	Y	L	V	I	Y	C	A	S		
LRR6	326	I	K	E	L	S	V	S	D	C	R	F	V	S	D	F	G	L	R	E	I	A	K	L	E	S	R		
LRR7	352	L	R	Y	L	S	I	A	H	C	G	R	V	T	D	V	G	I	R	Y	V	A	K	Y	C	S	K		
LRR8	378	L	R	Y	L	N	A	R	G	C	E	G	I	T	D	H	G	V	E	Y	L	A	K	N	C	T	K		
LRR9	404	L	K	S	L	D	I	G	K	C	P	L	V	S	D	T	G	L	E	C	L	A	L	N	C	F	N		
LRR10	430	L	K	R	L	S	L	K	S	C	E	S	I	T	G	Q	G	L	Q	I	V	A	A	N	C	F	D		
LRR11	456	L	Q	T	L	N	V	Q	D	C	E	V	-	S	V	E	A	L	R	F	V	K	R	H	C	K	R		
LRR1	417	L	E	R	L	T	L	V	F	C	K	H	I	T	S	V	P	I	S	A	V	L	R	G	C	K	F		
LRR2	443	L	Q	S	V	D	I	T	G	I	R	D	V	S	D	D	V	F	D	T	L	A	T	Y	C	P	R		
LRR3	469	V	Q	G	F	Y	V	P	Q	A	R	N	V	T	F	D	S	L	R	N	F	I	V	H	S	P	M		
LRR4	495	L	K	R	I	K	I	T	A	N	N	N	M	N	D	E	L	V	E	L	L	A	N	K	C	P	L		
LRR5	521	L	V	E	V	D	I	T	L	S	P	N	V	T	D	S	S	L	K	L	L	T	R	L	V	Q			
LRR6	547	L	R	E	F	R	I	T	H	N	T	N	I	T	D	N	L	F	Q	E	L	S	K	V	D	D	M	P	S
LRR7	576	L	R	L	I	D	L	S	G	C	E	N	I	T	D	K	T	I	E	S	I	V	N	L	A	P	K		
LRR8	602	L	R	N	V	F	L	G	K	C	S	R	I	T	D	A	S	L	F	Q	L	S	K	L	G	K	N		
LRR9	628	L	Q	T	V	H	F	G	H	C	F	N	I	T	D	N	G	V	R	A	L	F	H	S	C	T	R		
LRR10	654	I	Q	Y	V	D	F	A	C	C	T	N	L	T	N	R	T	L	Y	E	L	A	D	L	P	K	-		
LRR11	679	L	K	R	I	G	L	V	K	C	T	Q	M	T	D	E	G	L	N	M	V	S	L	R	G	R	N	D	T
LRR12	708	L	E	R	V	H	L	S	Y	C	S	N	L	T	I	Y	P	I	E	L	M	S	C	P	R	-	-		

Cys-containing LRR subfamily consensus

conserved

variable