

Table S4 Nonsense mutations in the Oregon-R-S genome

Twenty-three nonsense mutations identified in the Oregon-R-S genome are listed. Nucleotide position on the chromosome, old nucleotide (in reference genome) and new altered nucleotide (in Oregon-R-S genome), old and new amino acid, and GO term of gene are shown. * indicates a stop codon.

Chr #	position	old	new	old/new AA	gene name	GO: molecular function
2L	8961925	C	A	E/*	CG9525	-
2L	10820205	G	A	W/*	CG6508	aspartic-type endopeptidase activity
2L	18356266	G	A	Q/*	Acp36DE	hormone activity
2L	19183181	A	T	C/*	CG17567	-
2L	19559469	A	T	R/*	CG13079	endopeptidase inhibitor activity
2L	19559877	C	T	Q/*	CG13079	endopeptidase inhibitor activity
2R	5310836	C	A	E/*	CG13955	-
2R	6009161	T	A	K/*	CCS	superoxide dismutase copper chaperone activity
2R	6166951	C	T	Q/*	CAP	vinculin binding
2R	10626740	C	T	Q/*	CG12865	-
2R	10657481	C	T	W/*	CG42254	-
2R	10705467	G	A	Q/*	CG10202	phosphomannomutase activity
2R	19964884	C	A	Y/*	Mlp60A	zinc ion binding
2R	20184781	C	G	Y/*	CG3394	long-chain fatty acid transporter activity
3L	6063062	C	A	S/*	CG42269	secondary active organic cation transmembrane transporter activity
3R	6484581	A	T	K/*	CG34304	-
3R	6953442	A	T	L/*	Ugt86Dd	glucuronosyltransferase activity
3R	8817309	C	T	W/*	yellow-f	dopachrome isomerase activity
3R	18925930	G	A	W/*	CG6738	aminoacylase activity
3R	20386246	G	T	S/*	CG13624	protein homodimerization activity
3R	21728852	G	T	G/*	CG31089	triglyceride lipase activity
X	11306744	G	C	Y/*	Gr10b	taste receptor activity
X	15963716	C	T	R/*	dpr18	-