

**Table S1. List of *nekl-2*; *nekl-3* suppressors.**

Strains isolated from F1 semi-clonal screen				
Strain Name	Allele	% Suppression (n)	Dominant/Recessive	Autosome/LGX
Strains subjected to SSM & WGS				
WY1208	<i>fd130</i>	83 (223)	Recessive	LGX
WY1209	<i>fd131</i>	87 (360)	Recessive	Autosome
WY1210	<i>fd132</i>	50 (276)	Dominant	LGX
WY1211	<i>fd133</i>	35 (422)	Recessive	Autosome
WY1217	<i>fd139</i>	76 (235)	Recessive	LGX
Strains NOT subjected to SSM & WGS				
WY1212	<i>fd134</i>	34 (387)	Weak Dominant	N.D.
WY1213	<i>fd135</i>	N.D.	N.D.	N.D.
WY1214	<i>fd136</i>	25 (374)	Weak Dominant	N.D.
WY1215	<i>fd137</i>	35 (277)	Weak Dominant	N.D.
WY1216	<i>fd138</i>	48 (315)	N.D.	N.D.
WY1218	<i>fd140</i>	47 (430)	N.D.	N.D.
WY1220	<i>fd142</i>	37 (138)	N.D.	N.D.
WY1221	<i>fd143</i>	33 (425)	N.D.	N.D.
WY1222	<i>fd144</i>	33 (167)	N.D.	N.D.
WY1223	<i>fd145</i>	32 (613)	N.D.	N.D.
WY1224	<i>fd146</i>	31 (30)	N.D.	N.D.
WY1225	<i>fd147</i>	30 (389)	N.D.	N.D.
WY1267	<i>fd151</i>	63 (300)	Recessive	Autosome
WY1268	<i>fd152</i>	55 (77)	N.D.	N.D.
WY1269	<i>fd153</i>	79 (333)	N.D.	N.D.
WY1270	<i>fd154</i>	51 (206)	Recessive	Autosome
WY1271	<i>fd155</i>	94 (306)	Recessive	LGX
WY1272	<i>fd156</i>	N.D.	N.D.	N.D.
WY1273	<i>fd157</i>	N.D.	N.D.	N.D.
WY1274	<i>fd158</i>	N.D.	N.D.	N.D.
WY1275	<i>fd159</i>	N.D.	N.D.	N.D.
WY1276	<i>fd160</i>	N.D.	N.D.	N.D.
Strains isolated from counter-selection screen				
Strains NOT subjected to SSM & WGS				
WY1277	<i>fd161</i>	63 (260)	N.D.	N.D.
WY1278	<i>fd162</i>	78 (639)	Recessive	Autosome
WY1279	<i>fd163</i>	83 (121)	N.D.	N.D.
WY1280	<i>fd164</i>	N.D.	N.D.	N.D.
WY1281	<i>fd165</i>	57 (130)	N.D.	N.D.
WY1282	<i>fd166</i>	34 (938)	Recessive	Autosome
WY1283	<i>fd167</i>	71 (219)	N.D.	N.D.
WY1284	<i>fd168</i>	N.D.	N.D.	N.D.

WY1285	<i>fd169</i>	86 (179)	N.D.	N.D.
WY1286	<i>fd170</i>	43 (112)	Recessive	Autosome
WY1287	<i>fd171</i>	77 (220)	N.D.	N.D.
WY1288	<i>fd172</i>	74 (282)	N.D.	N.D.
WY1289	<i>fd173</i>	13 (643)	Recessive	Autosome
WY1290	<i>fd174</i>	77 (137)	N.D.	N.D.
WY1291	<i>fd175</i>	85 (66)	N.D.	N.D.
WY1292	<i>fd176</i>	78 (201)	N.D.	N.D.
WY1293	<i>fd177</i>	N.D.	N.D.	N.D.
WY1294	<i>fd178</i>	46 (190)	N.D.	N.D.
WY1295	<i>fd179</i>	84 (266)	N.D.	N.D.
WY1296	<i>fd180</i>	76 (223)	N.D.	N.D.
WY1297	<i>fd181</i>	80 (93)	N.D.	N.D.
WY1298	<i>fd182</i>	30 (123)	Recessive	Autosome
WY1299	<i>fd183</i>	N.D.	N.D.	N.D.