

**Table S1.** Summary of available data used in this study. The F2 SRX4791892 and SRX4929022 were removed from analysis because of too low coverage.

SRR7944839	F2 Offspring of a PP1137xPP1134 F1 female backcrossed to PP1137
SRR7945107	F2 Offspring of a PP1137xPP1134 F1 female backcrossed to PP1137
SRR7945239	F2 Offspring of a PP1137xPP1134 F1 female backcrossed to PP1137
SRR7947838	F2 Offspring of a PP1137xPP1134 F1 female backcrossed to PP1137
SRR7956996	F2 Offspring of a PP1137xPP1134 F1 female backcrossed to PP1137
SRR7958231	F2 Offspring of a PP1137xPP1134 F1 female backcrossed to PP1137
SRR7958238	F2 Offspring of a PP1137xPP1134 F1 female backcrossed to PP1137
SRR7962536	F2 Offspring of a PP1137xPP1134 F1 female backcrossed to PP1137
SRR8128382	F2 Offspring of a PP1137xPP1134 F1 female backcrossed to PP1137
SRR8128383	F2 Offspring of a PP1137xPP1134 F1 female backcrossed to PP1137
SRR8088302	Female parent (F1 hybrid) from the PP1137xPP1134
SRR8088557	PP1137 Male parent from the PP1137xPP1134
SRR8113329	Male Grandparent used in a PP1137xPP1134
SRR8090239	F2 Offspring of a PP1137xMSH177 F1 female backcrossed to PP1137
SRR8098525	F2 Offspring of a PP1137xMSH177 F1 female backcrossed to PP1137
SRR8100068	F2 Offspring of a PP1137xMSH177 F1 female backcrossed to PP1137
SRR8100666	F2 Offspring of a PP1137xMSH177 F1 female backcrossed to PP1137
SRR8102104	F2 Offspring of a PP1137xMSH177 F1 female backcrossed to PP1137
SRR8101949	F2 Offspring of a PP1137xMSH177 F1 female backcrossed to PP1137
SRR8101948	F2 Offspring of a PP1137xMSH177 F1 female backcrossed to PP1137
SRR8102267	F2 Offspring of a PP1137xMSH177 F1 female backcrossed to PP1137
SRR8102268	F2 Offspring of a PP1137xMSH177 F1 female backcrossed to PP1137
SRR8102269	F2 Offspring of a PP1137xMSH177 F1 female backcrossed to PP1137
SRR8107633	Female parent (F1 hybrid) from the PP1137xMSH177
SRR8107632	PP1137 Male Parent used in a PP1137xMSH177
SRR8107631	Male Grandparent used in a PP1137xMSH177
SRR8106727	F2 Offspring of a PP1137xMSH1993 F1 female backcrossed to PP1137
SRR8106726	F2 Offspring of a PP1137xMSH1993 F1 female backcrossed to PP1137
SRR8106729	F2 Offspring of a PP1137xMSH1993 F1 female backcrossed to PP1137
SRR8106728	F2 Offspring of a PP1137xMSH1993 F1 female backcrossed to PP1137
SRR8106725	F2 Offspring of a PP1137xMSH1993 F1 female backcrossed to PP1137
SRR8106724	F2 Offspring of a PP1137xMSH1993 F1 female backcrossed to PP1137
SRR8107333	F2 Offspring of a PP1137xMSH1993 F1 female backcrossed to PP1137
SRR8107334	F2 Offspring of a PP1137xMSH1993 F1 female backcrossed to PP1137
SRR8107335	F2 Offspring of a PP1137xMSH1993 F1 female backcrossed to PP1137
SRR8107336	F2 Offspring of a PP1137xMSH1993 F1 female backcrossed to PP1137
SRR8107332	Female Grandparent used in a PP1137xMSH1993
SRR8107330	Female parent (F1 hybrid) from the PP1137xMSH1993
SRR8107331	PP1137 Male Parent used in a PP1137xMSH1993
SRR330107	<i>Drosophila pseudoobscura</i>
SRR363439	<i>Drosophila persimilis</i>