Sex-specific evolution in genome wide recombination rate

Result outline

1. **MLH1**

Table 1 (

Figure 1 (MLH1 strain means)

Mean

Mixed model (table 2?)

No sig effects

Post hoc investigation (strain effect)

Sex-specific evolution (male)

Rapid evo in musc n mol

Sex-specific evolution (female

Variance (higher in female)

Table of average within mouse variance (per strain, per sex)

(mean by var, do all femls have higher variance?)

B.**DMC1**

Figure 2 (DMC1 means)

1) ANOVA, strain effect across mice holds for L but not Z cells.

2) post-hoc – t-tests

t-test between the ‘High’ and ‘Low’ MLH1.group is significant for L cells, but not Z (as anova)

3)

(how diff are 2 groups given mlh1)

-decrease thru **pathway**

- MSM and PWD higher ,

Fig3 (HetC plot)

Het c definition

Xy xx (female vs male adjustment)

Chrm proportions (