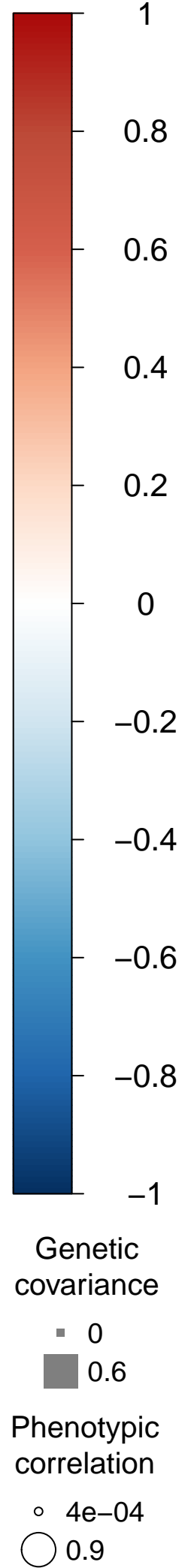
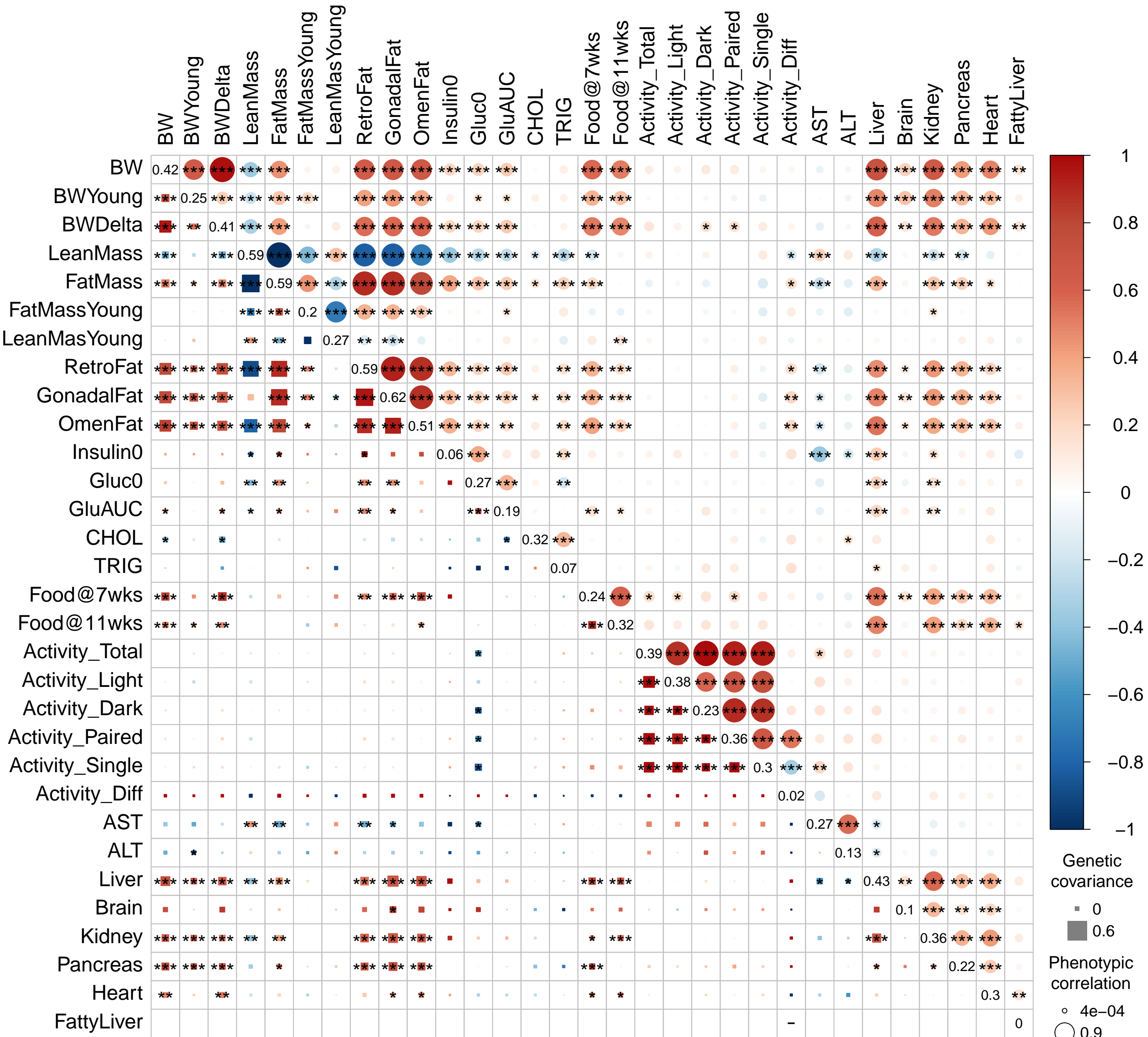


## **Supplemental Figures**

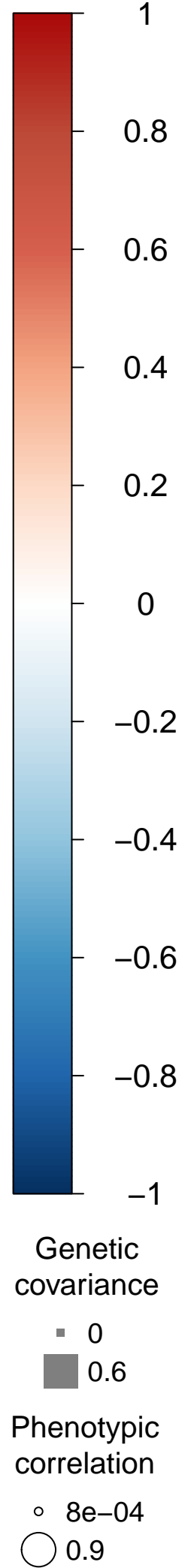
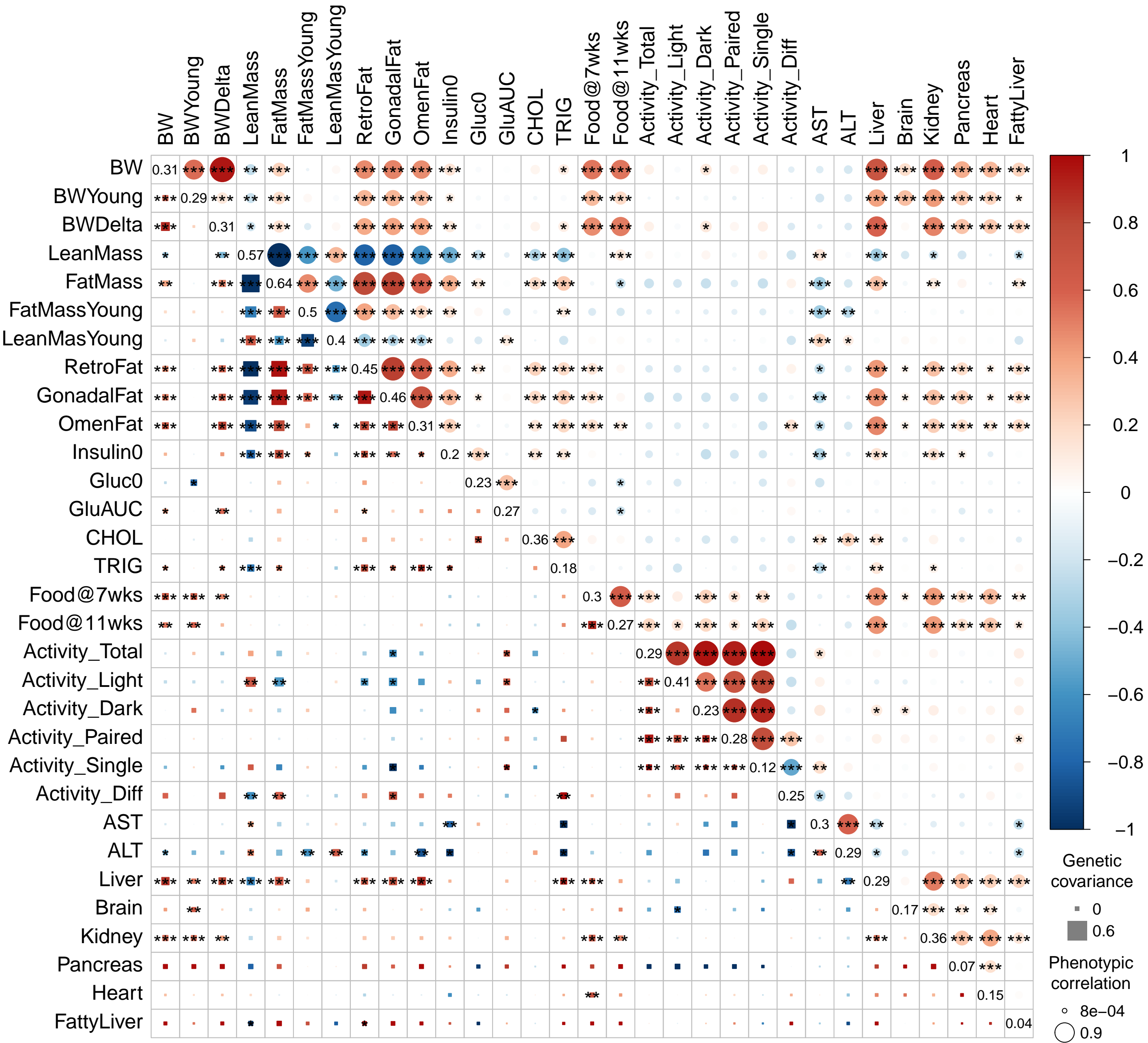
Supplemental Figure 1. Phenotypic and genetic correlations with associated p-values.

Supplemental Figure 2. BmediatR results showing complete mediation (dark green), partial mediation (light green), co-localization (light blue) or other non-mediation (grey)

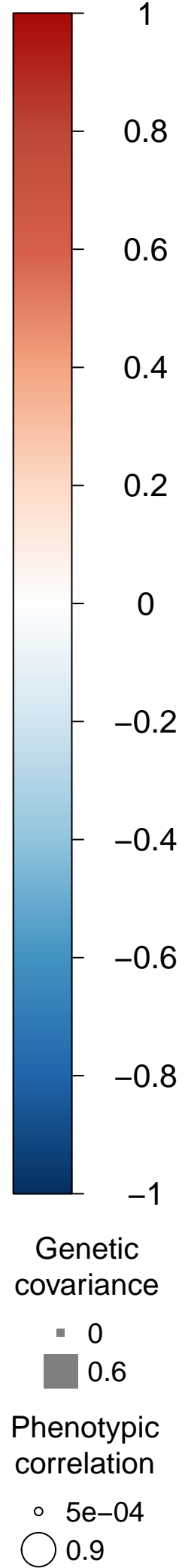
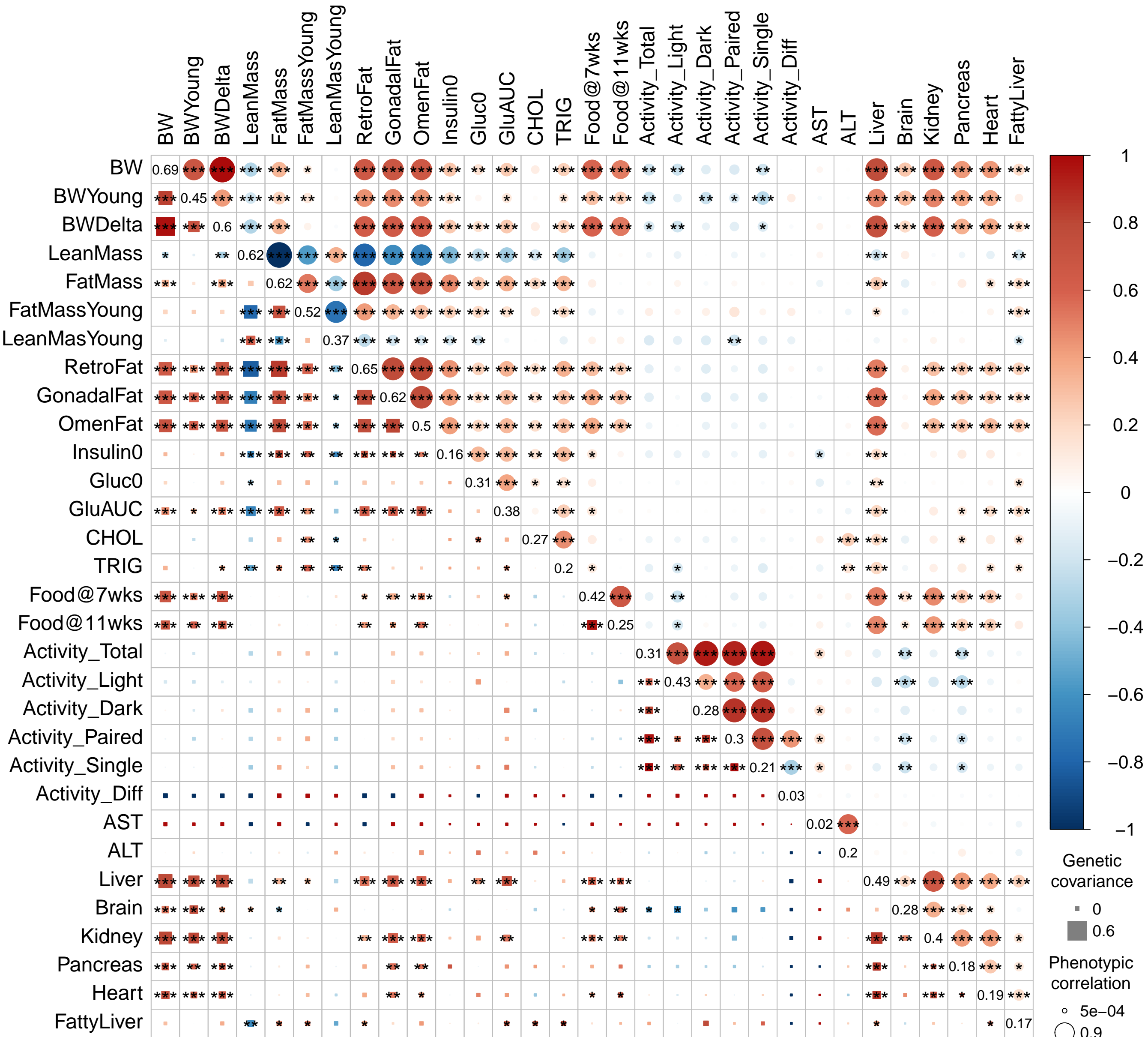
### Females on High Fat Diet



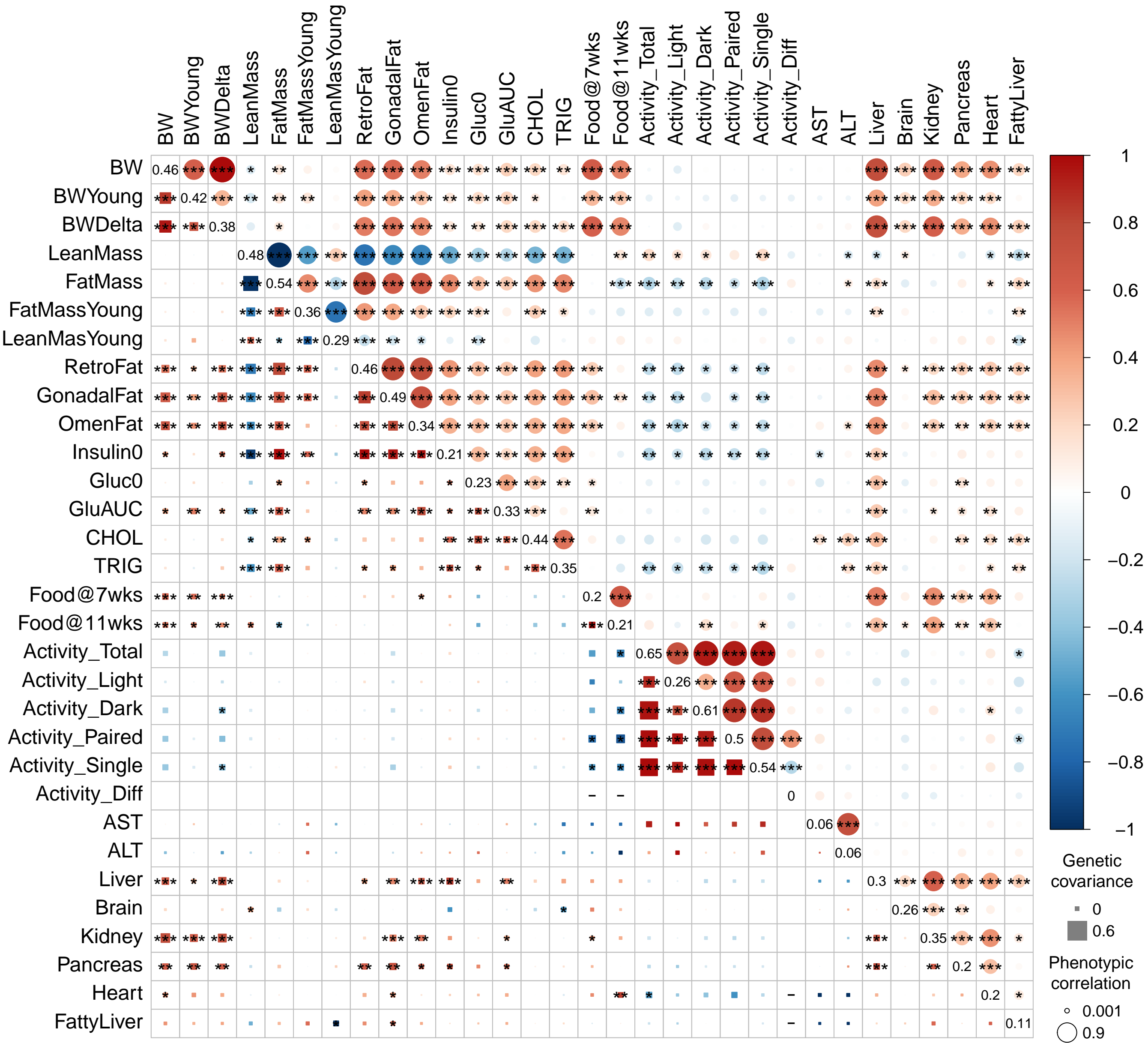
### Females on Low Fat Diet



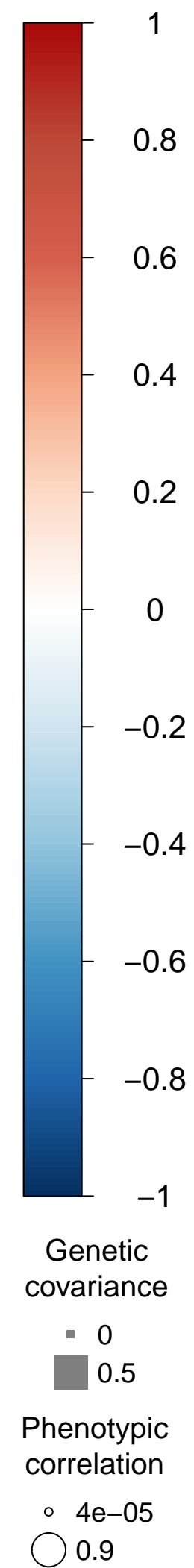
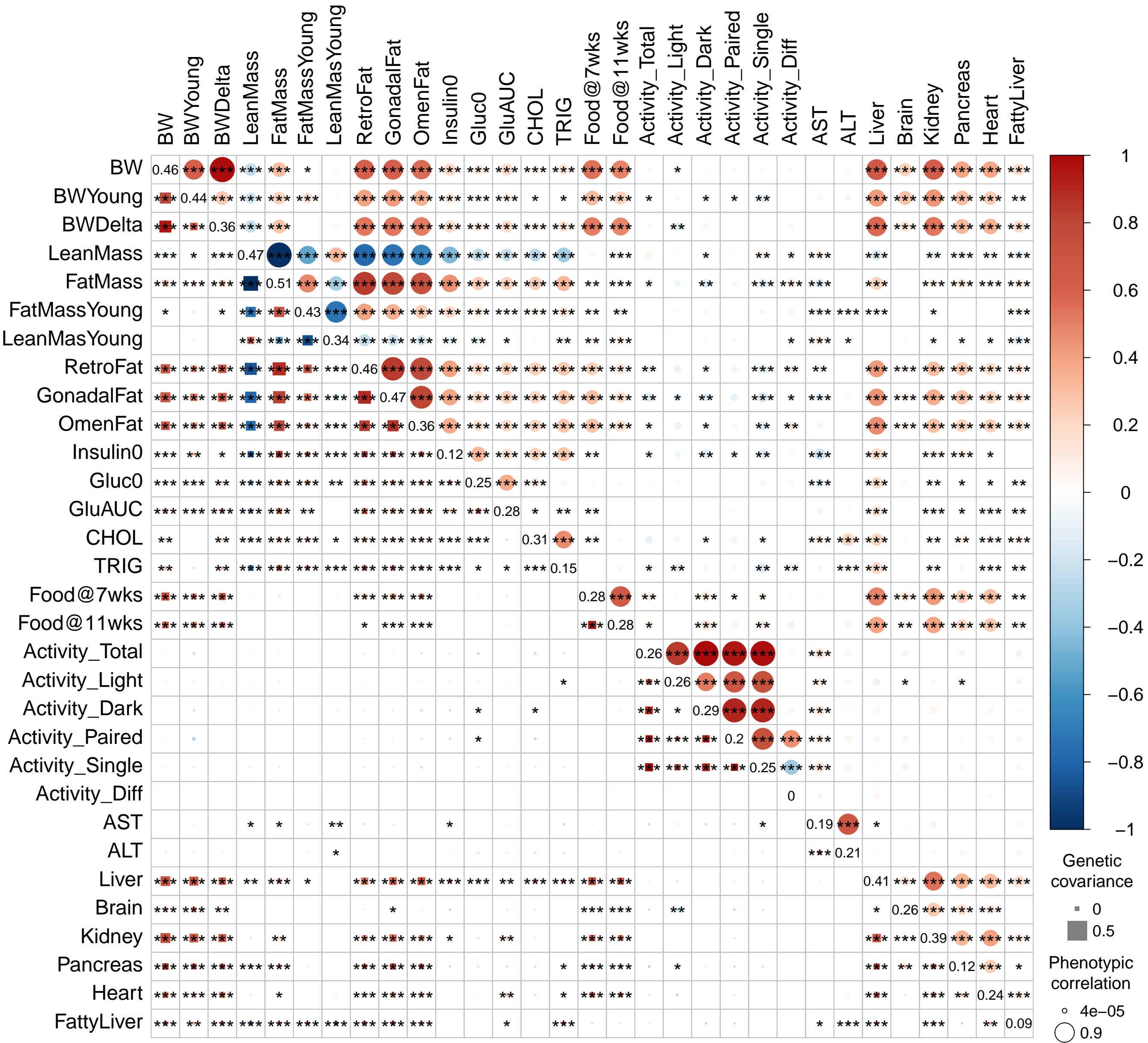
### Males on High Fat Diet



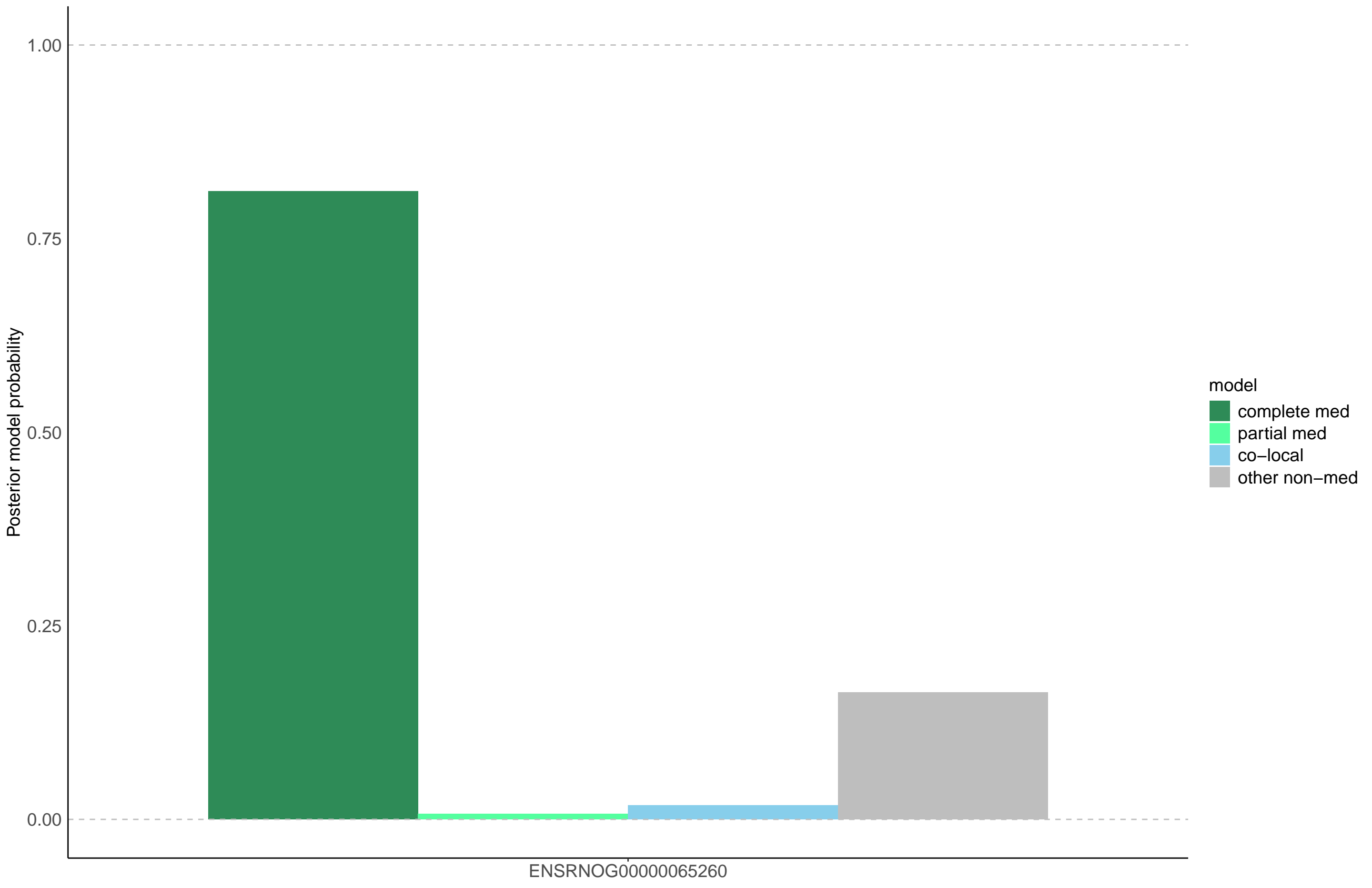
### Males on Low Fat Diet



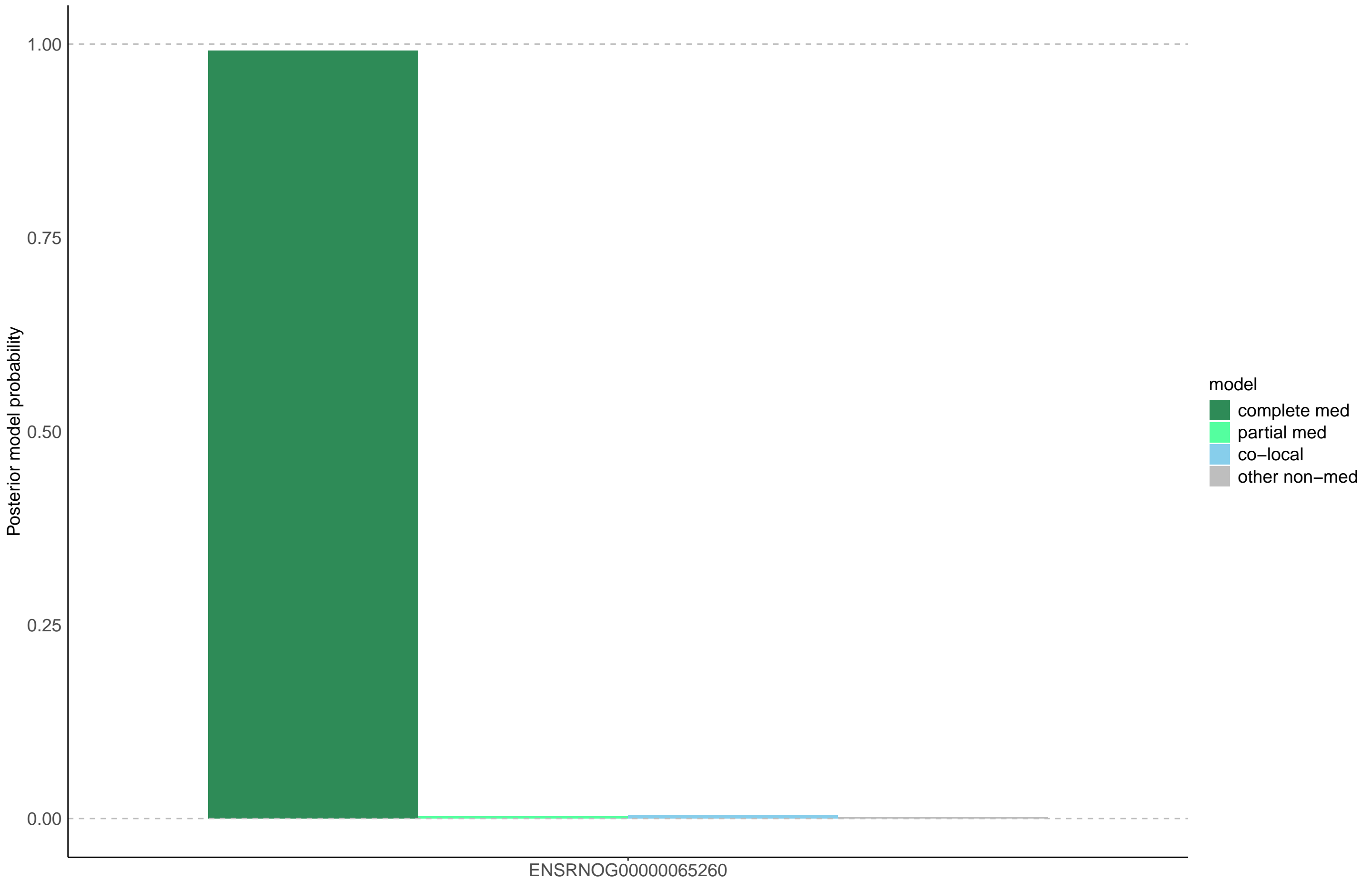
### Full Dataset



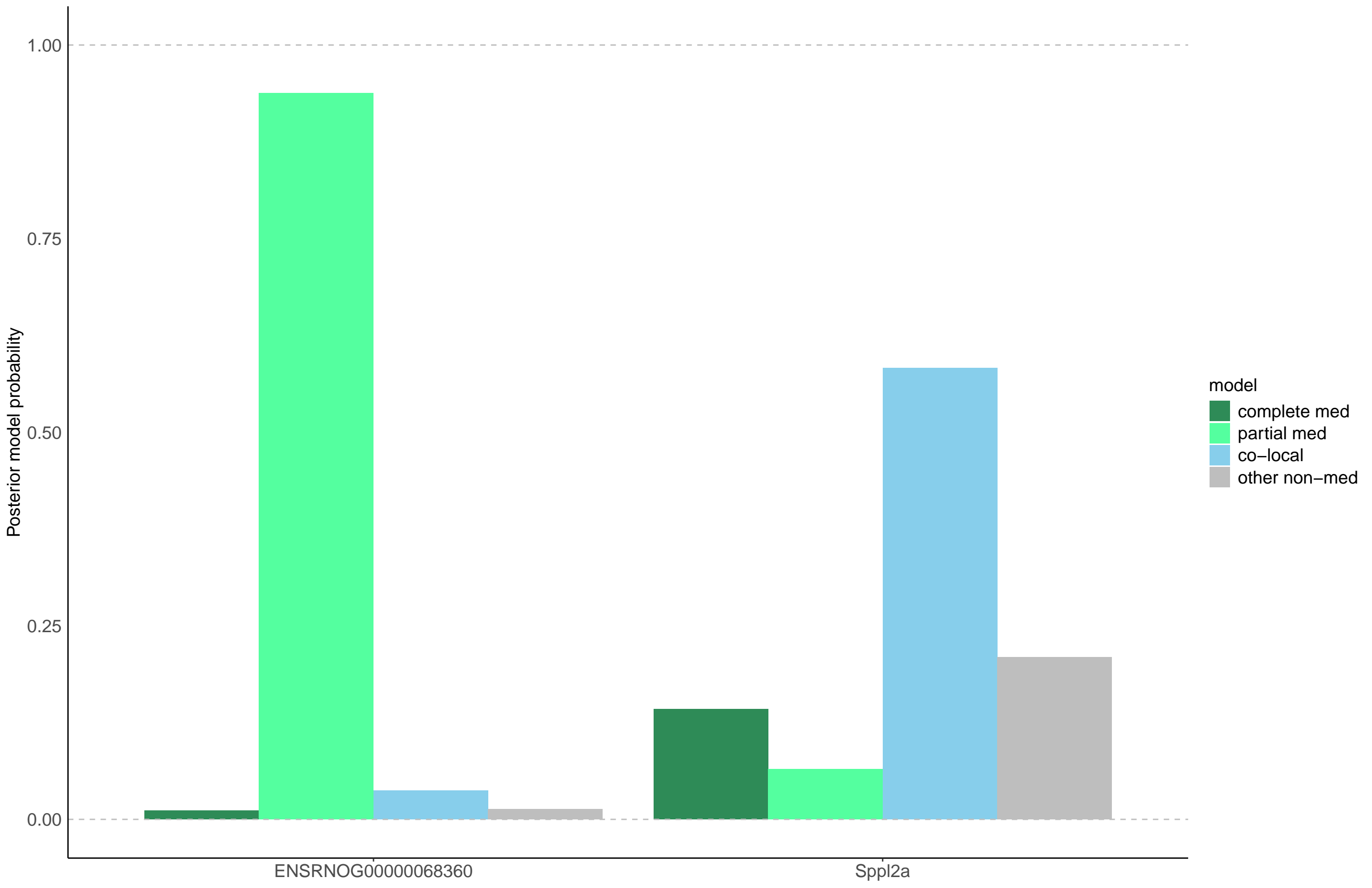
BWDelta-chr1\_258949393



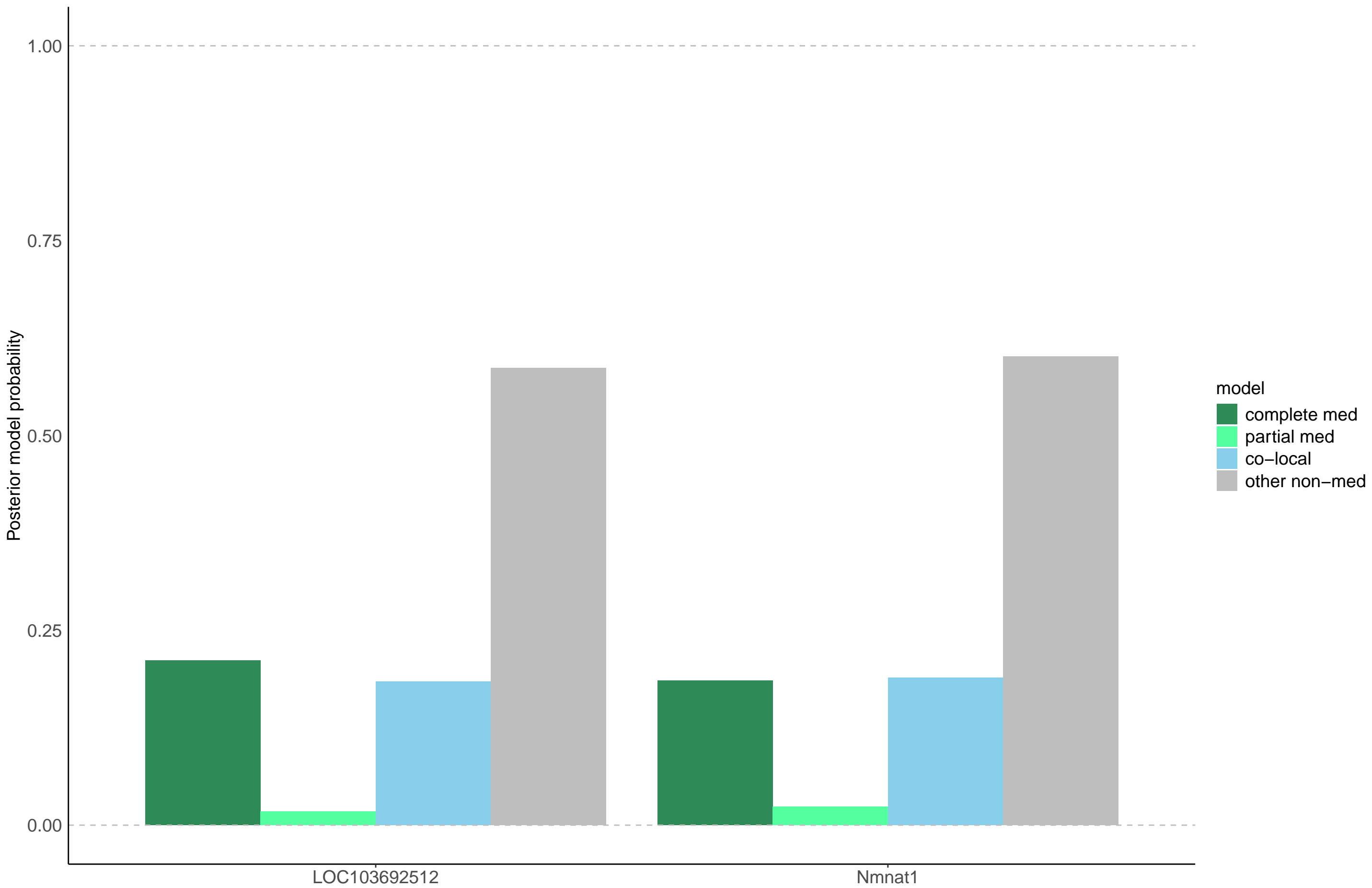
Brain/BW-chr1\_259628230



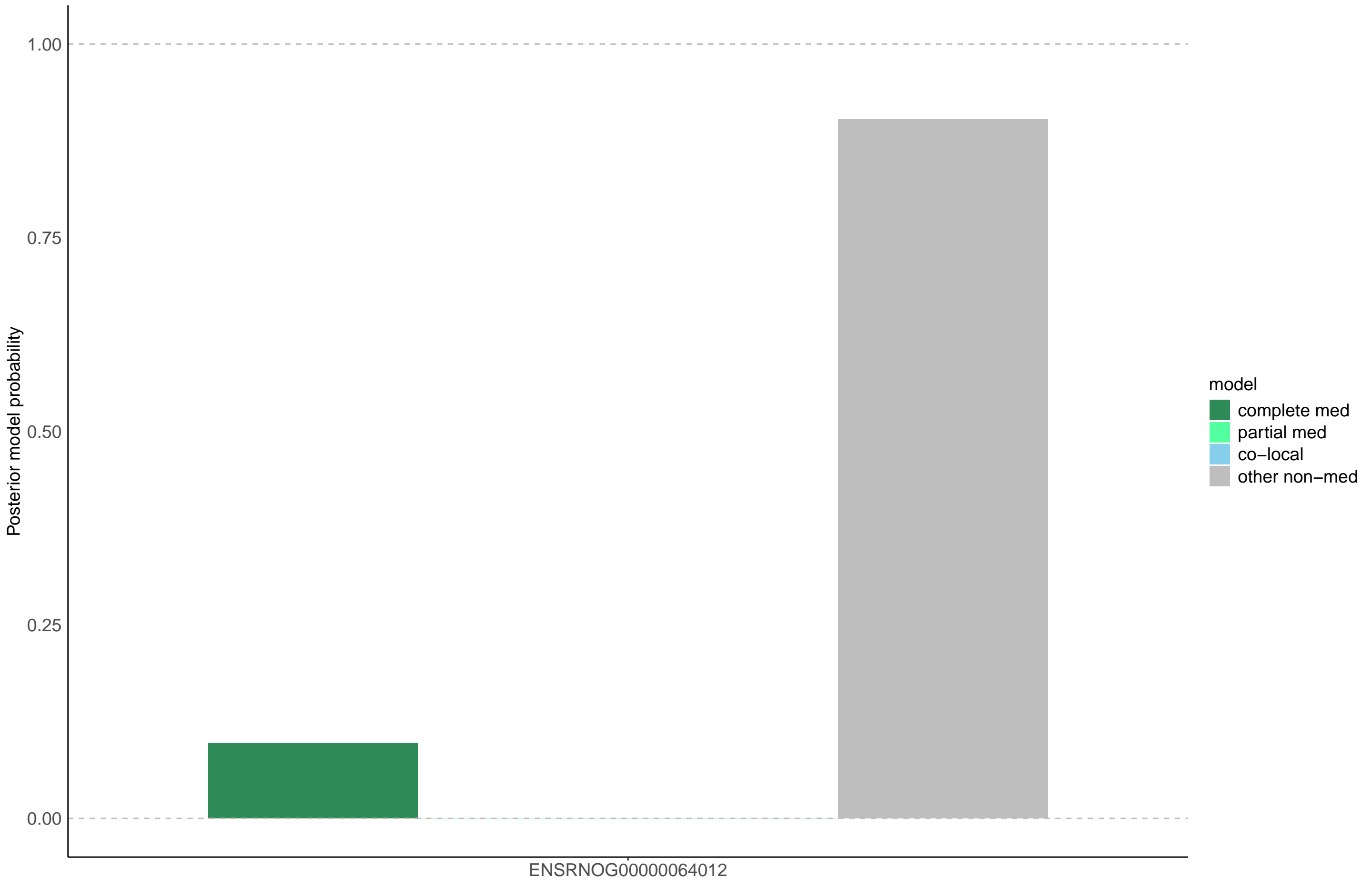
# CHOL-chr3\_115212825



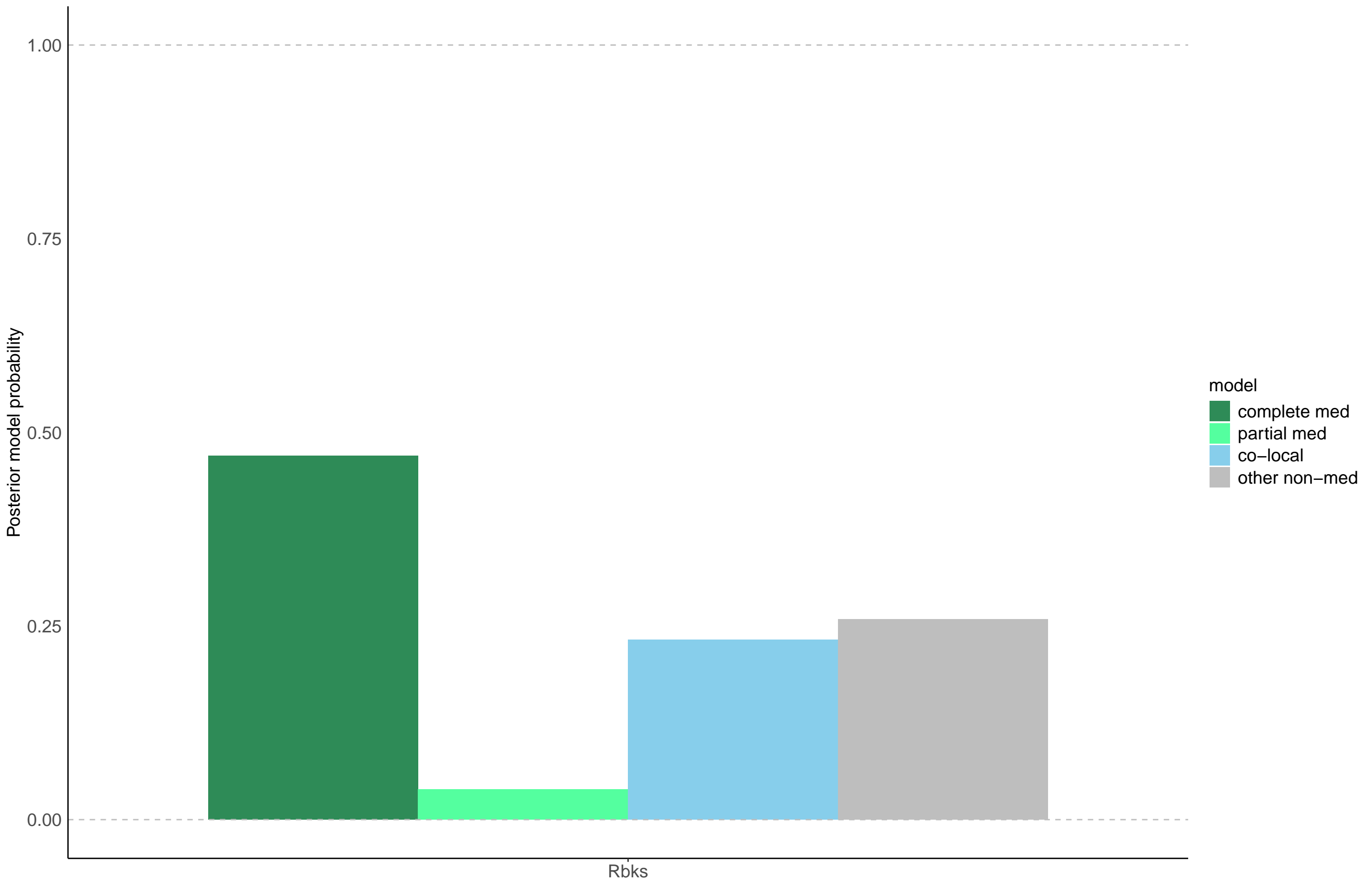
Heart-chr5\_158831441



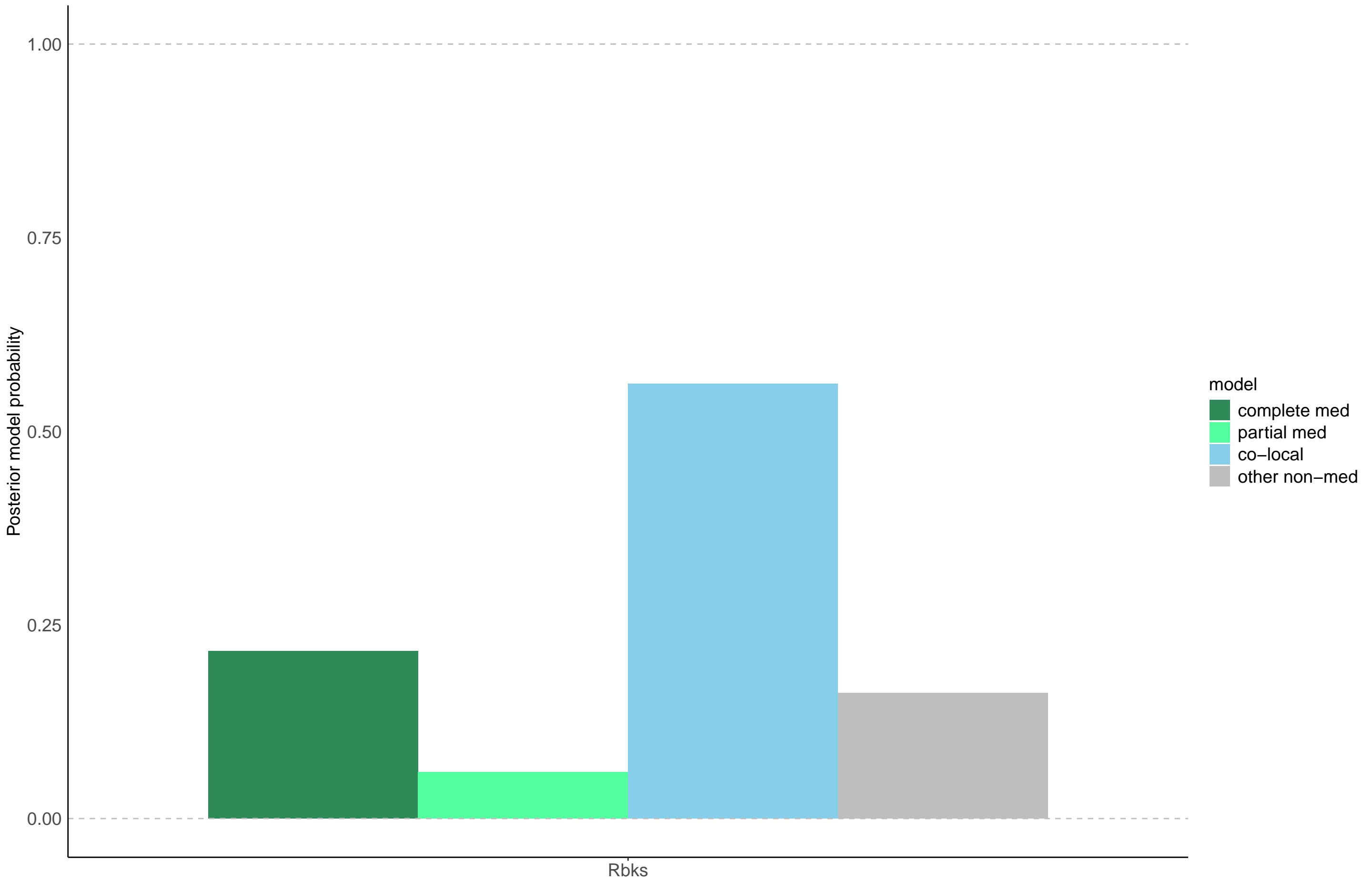
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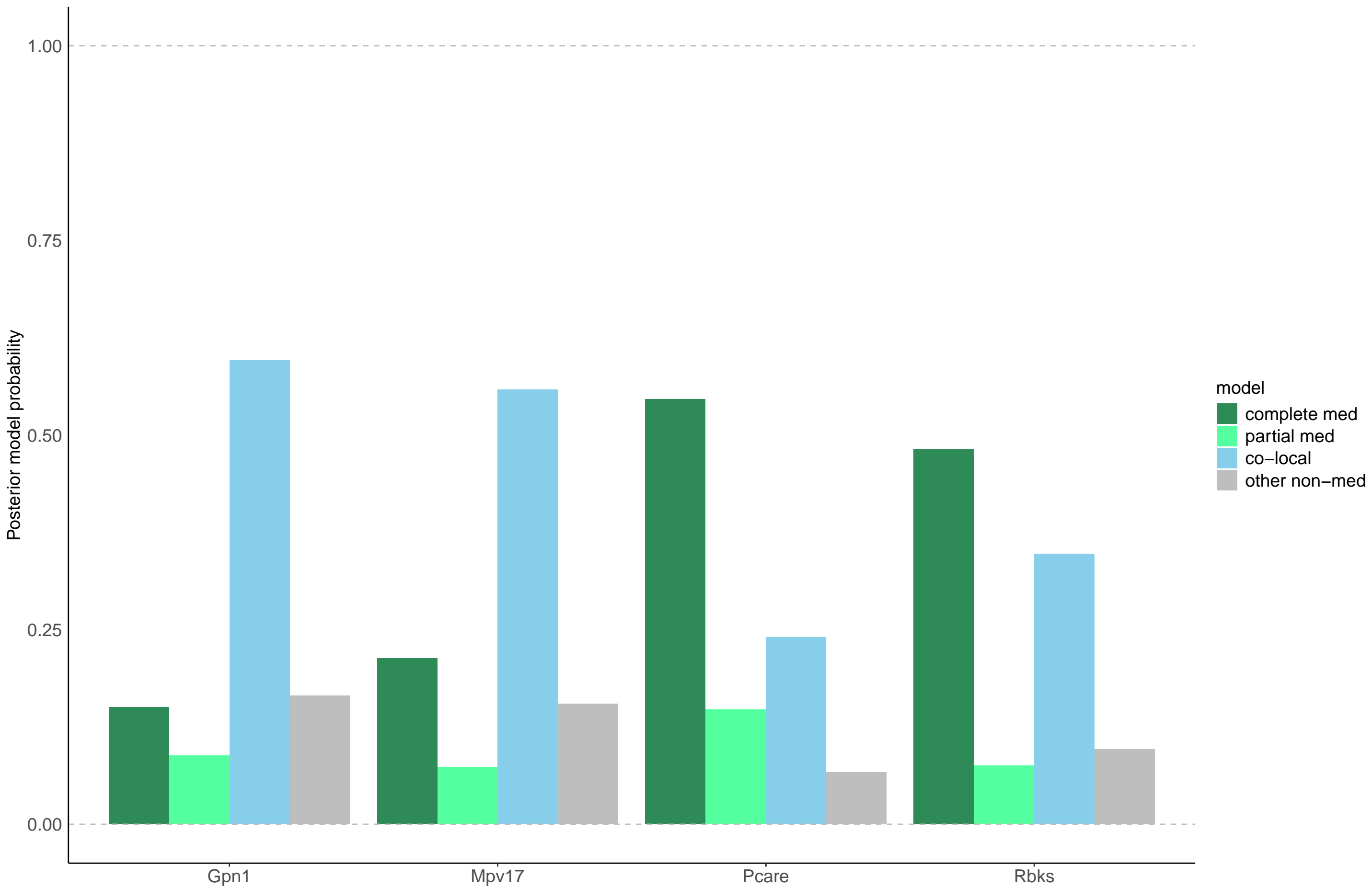
GonadalFat-chr6\_27064422



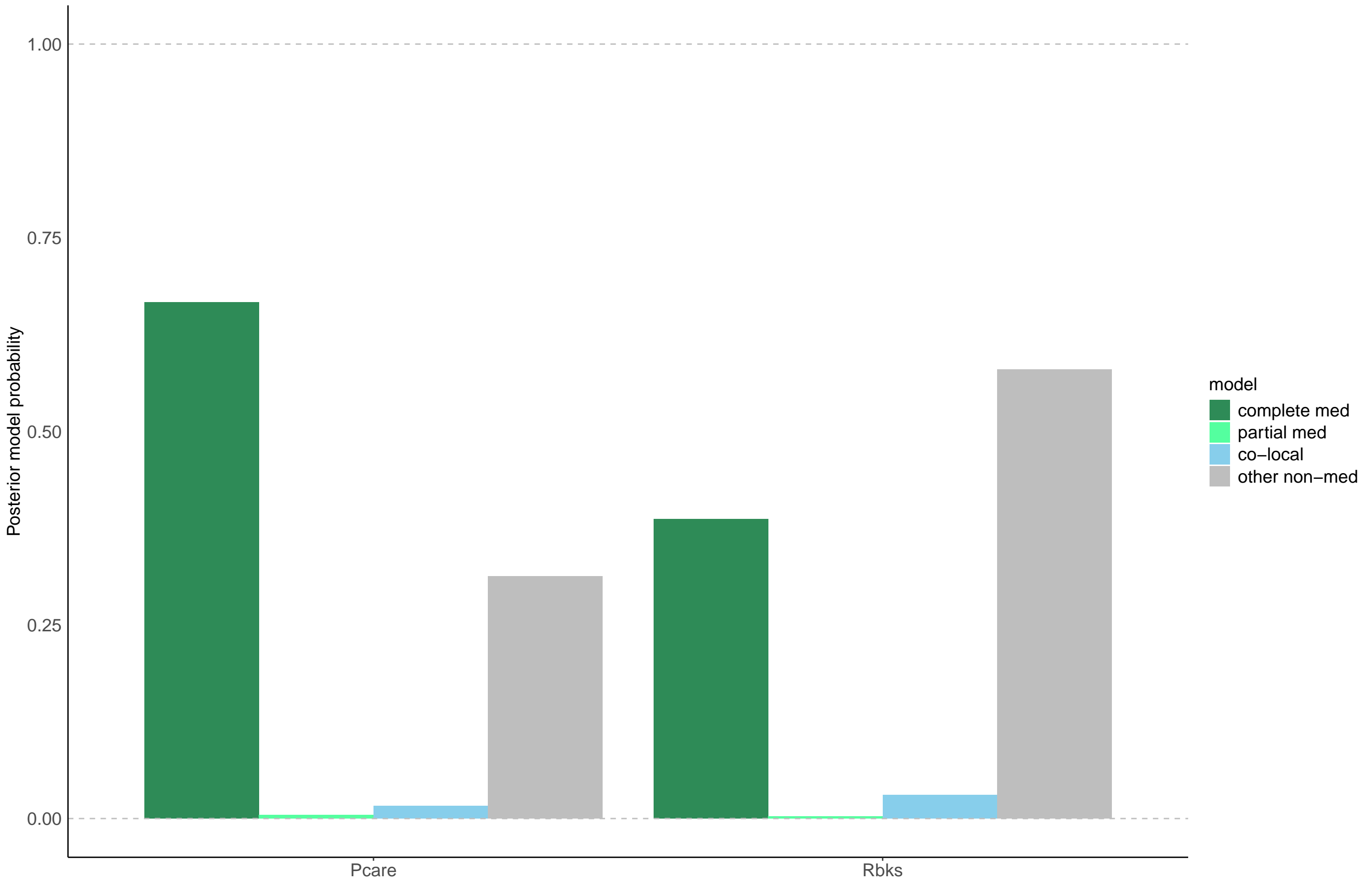
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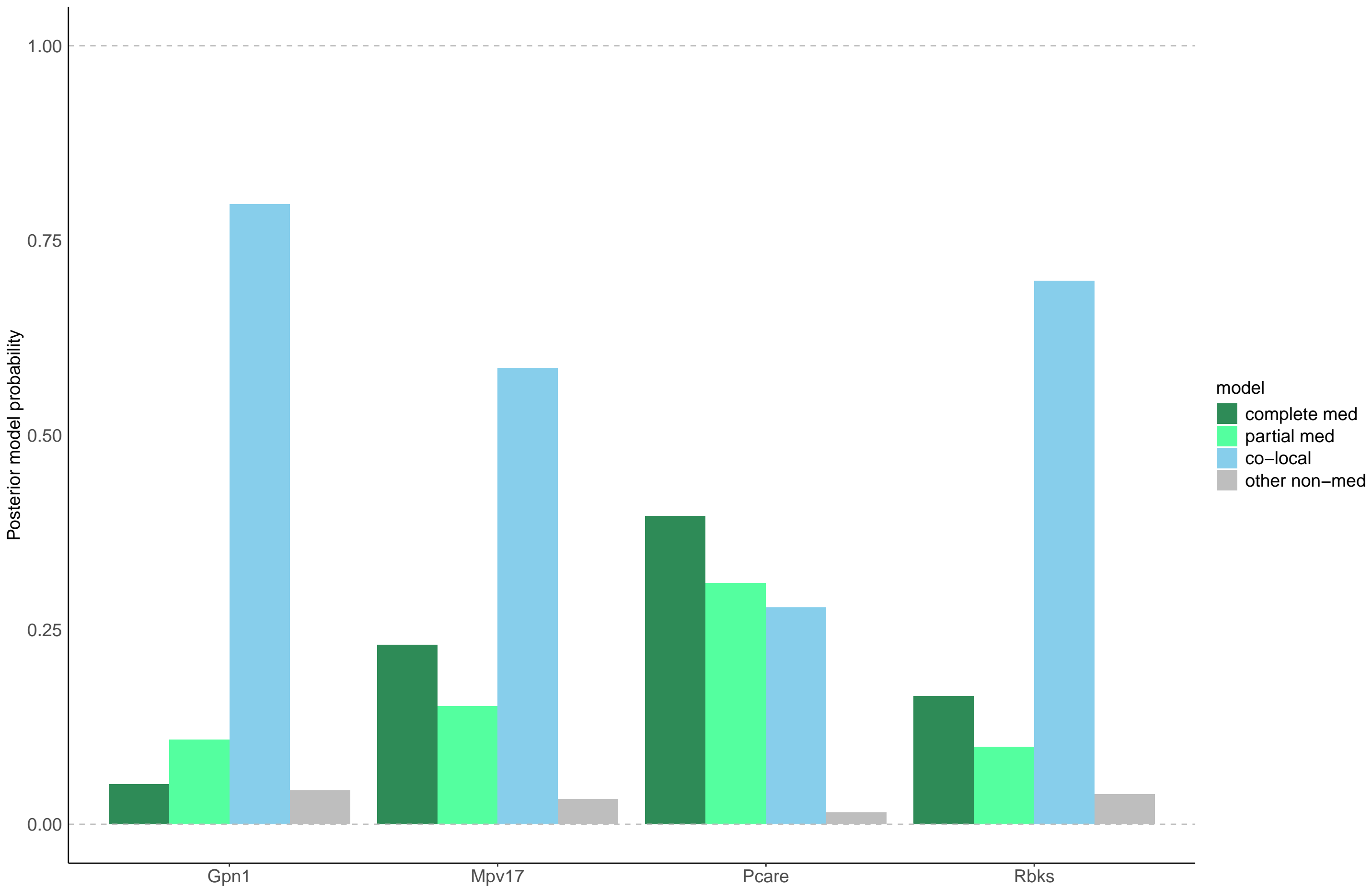
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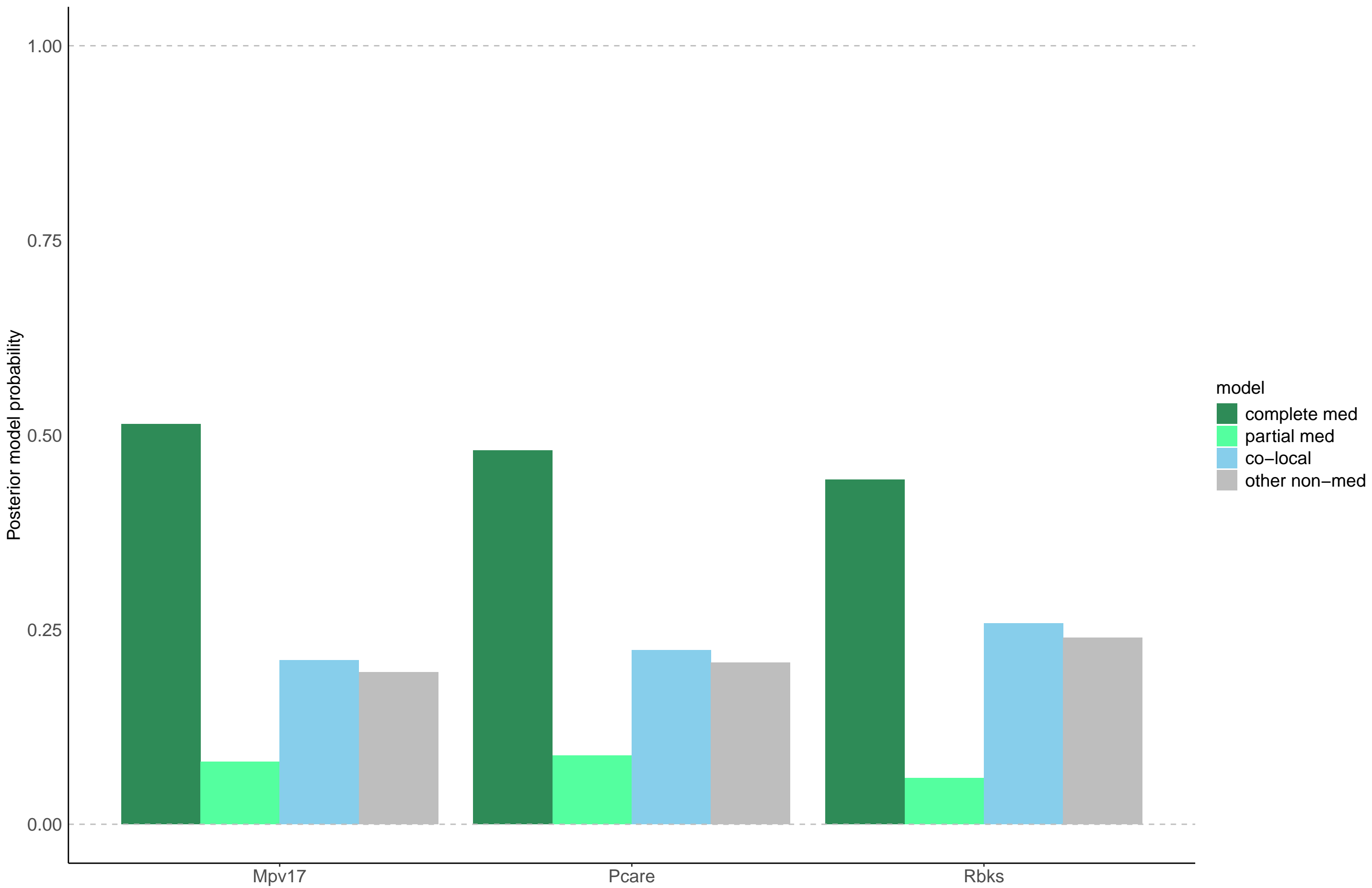
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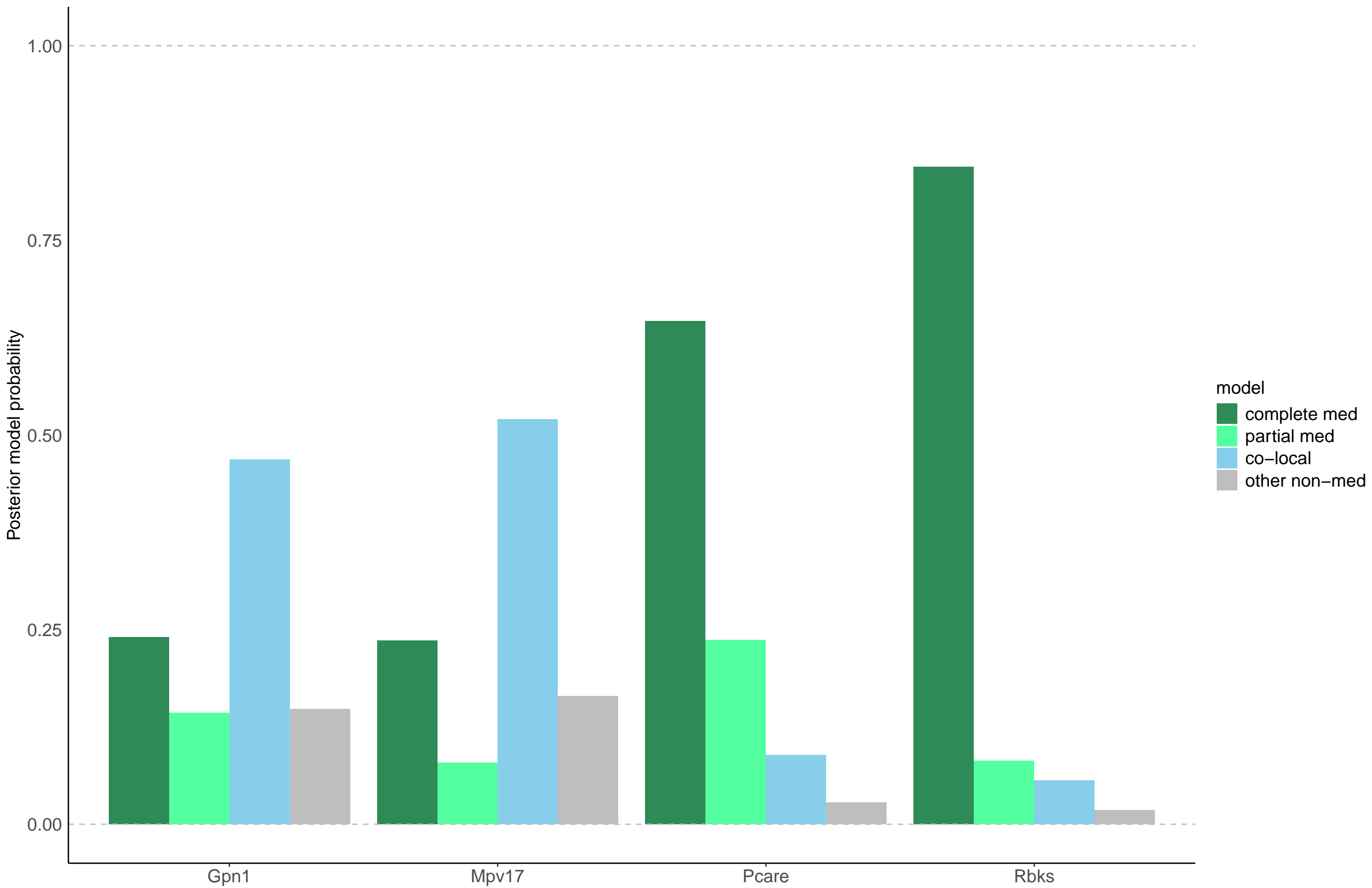
# LeanMass-chr6\_27013988

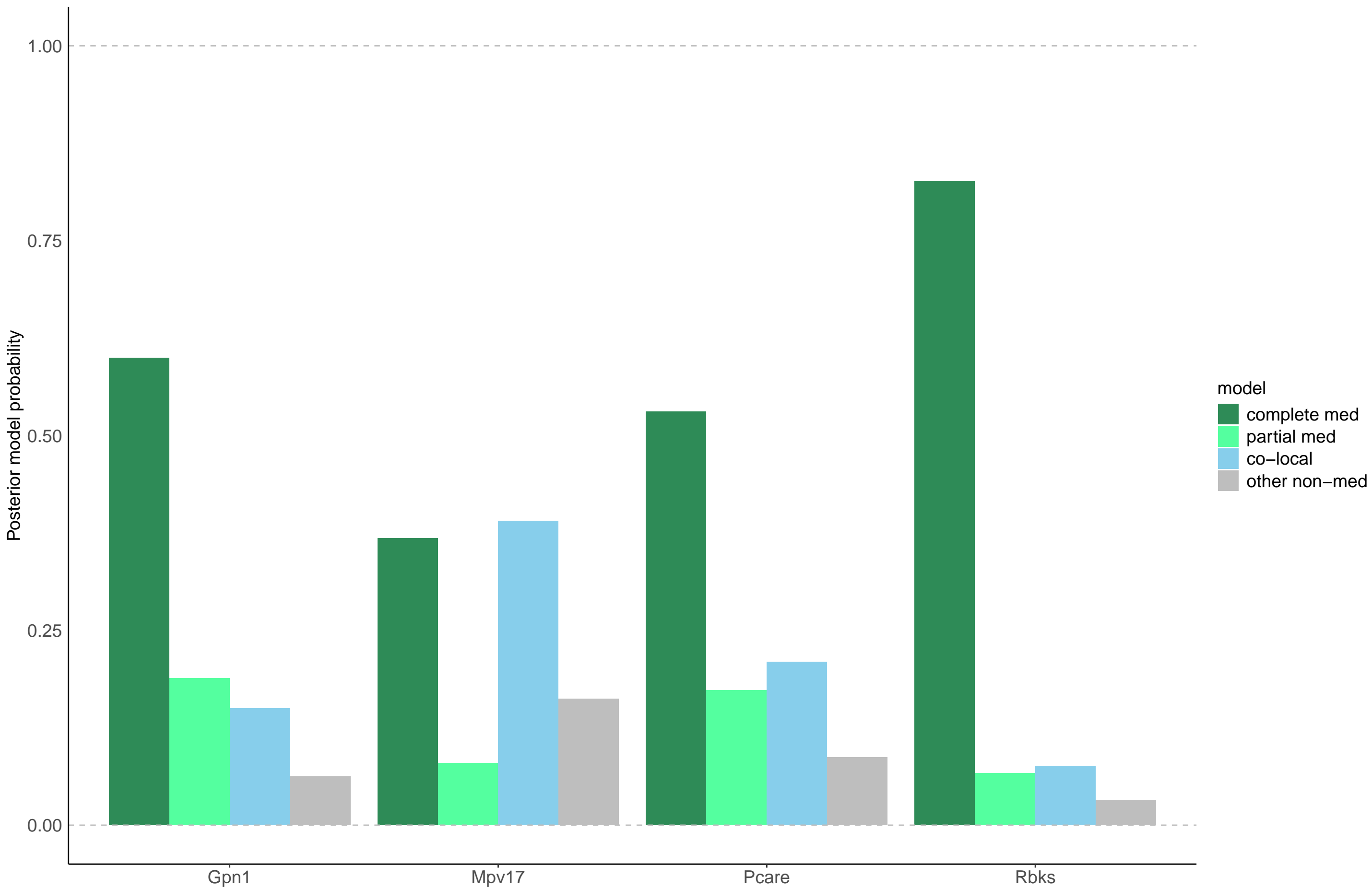


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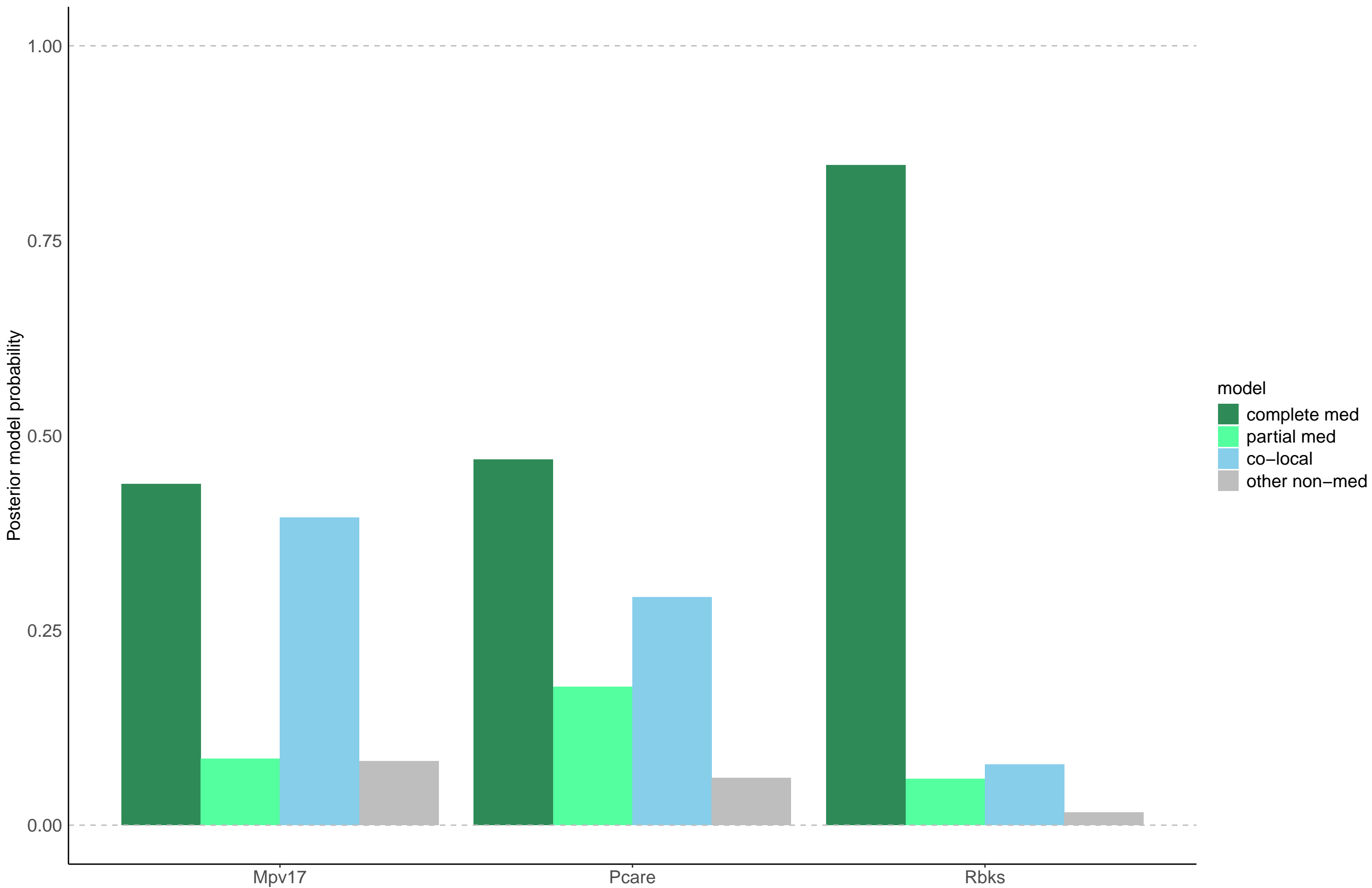


OmenFat-chr6\_27064422

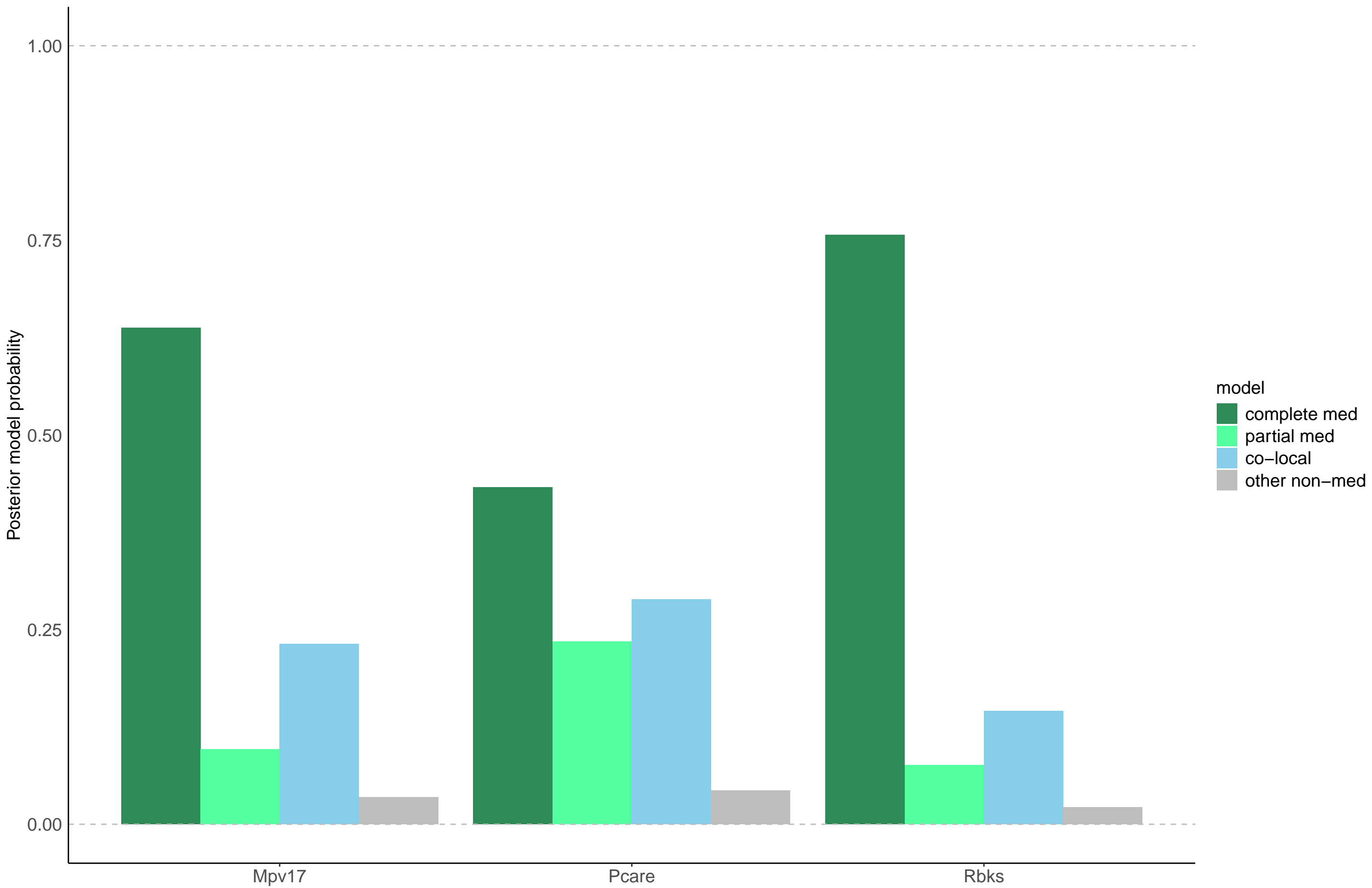




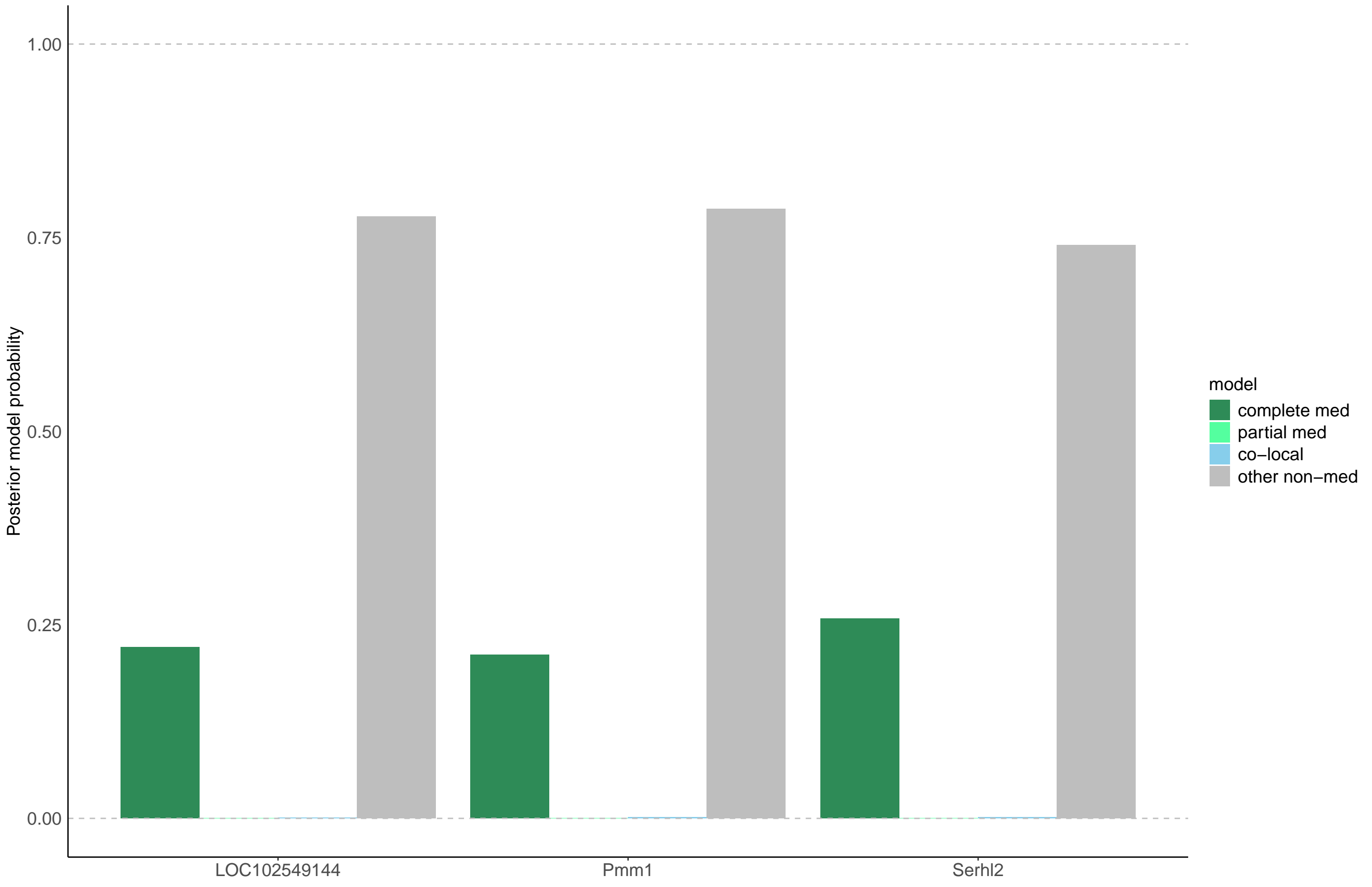
# RetroFat-chr6\_27064422

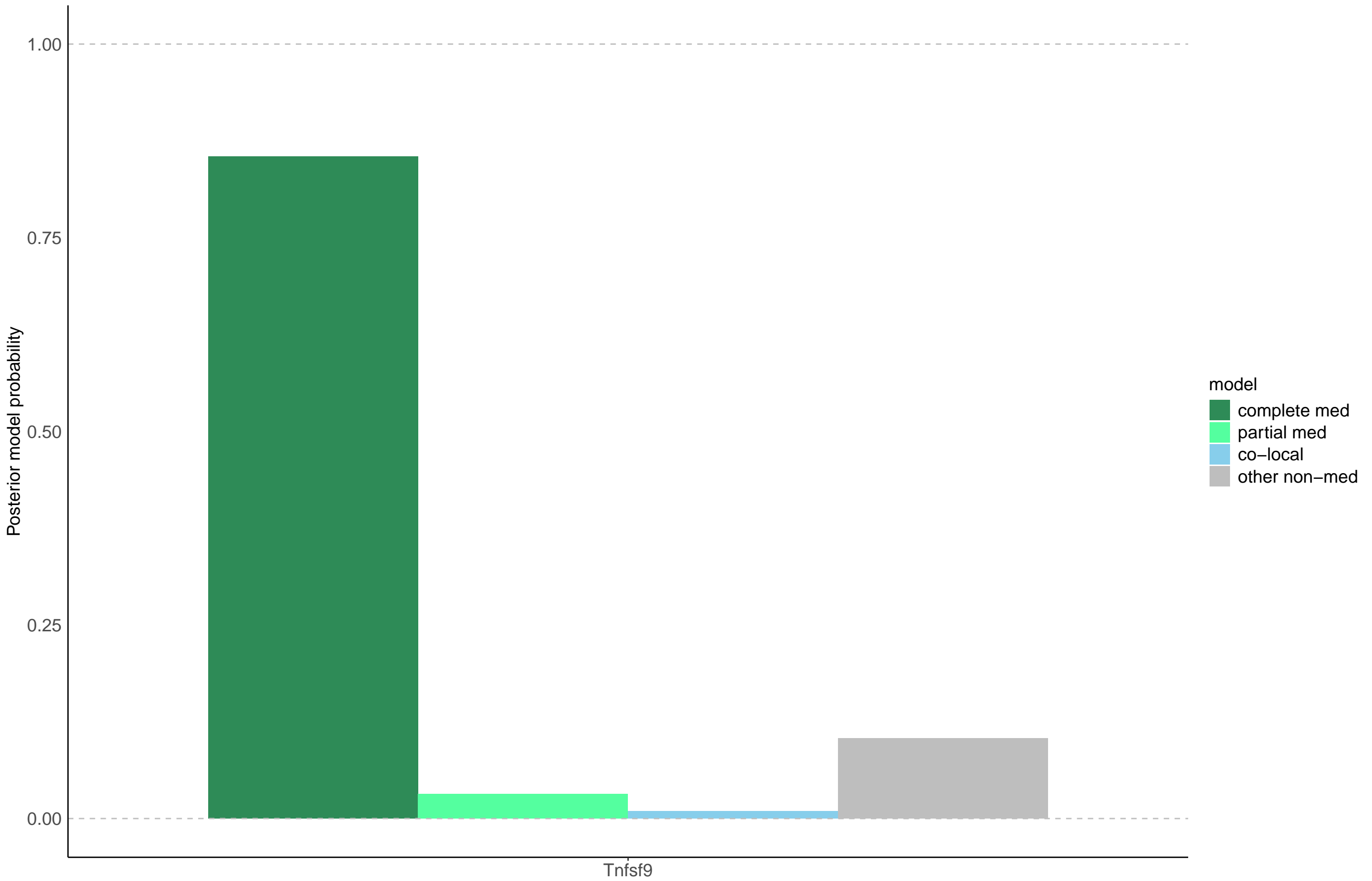


RetroFat/BW-chr6\_27064422



LftKid-chr7\_115463917





BWDelta-chr18\_26161137

