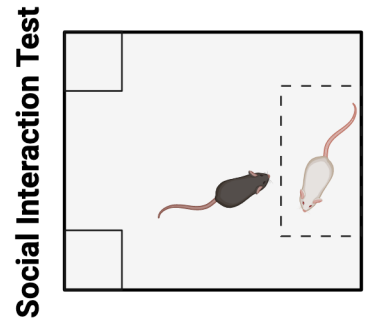
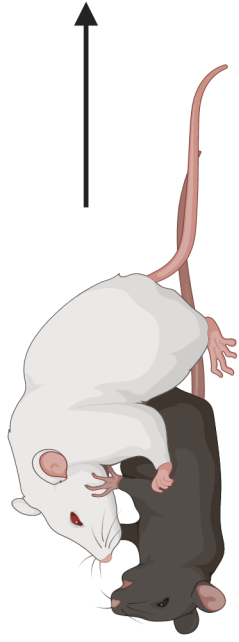
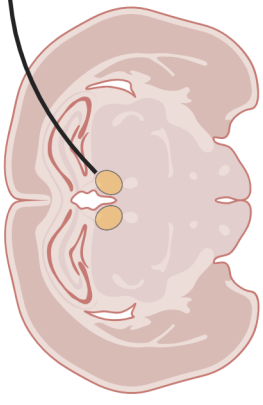


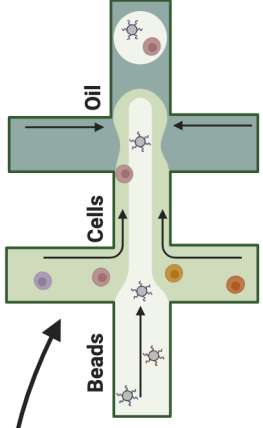
Chronic Social Defeat



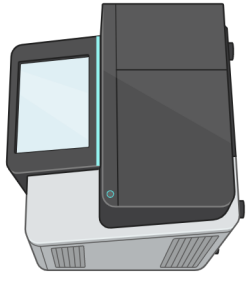
LHb Dissection

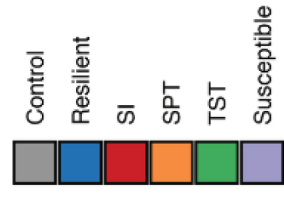
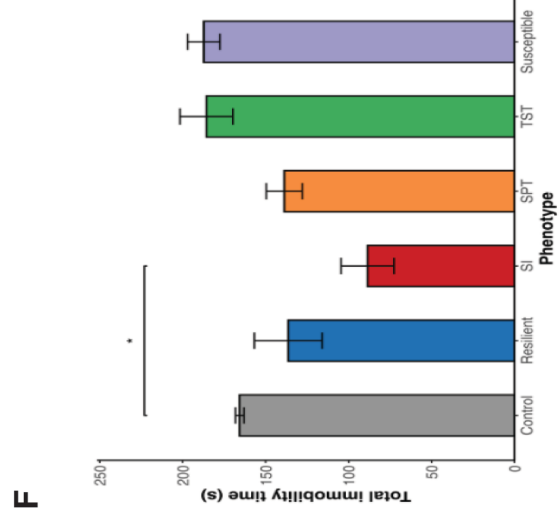
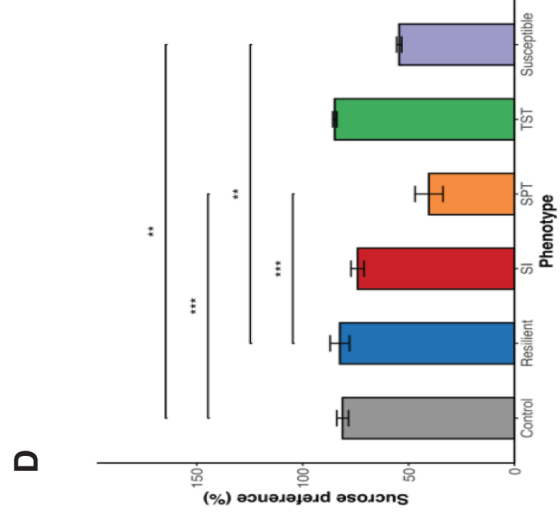
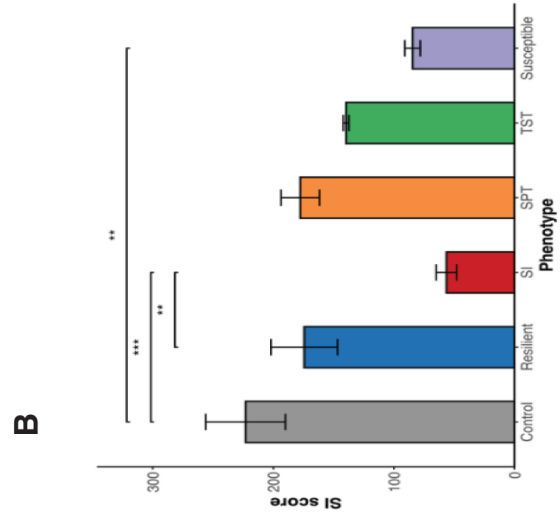
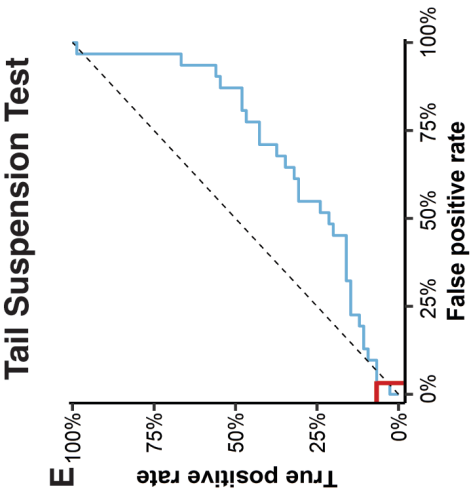
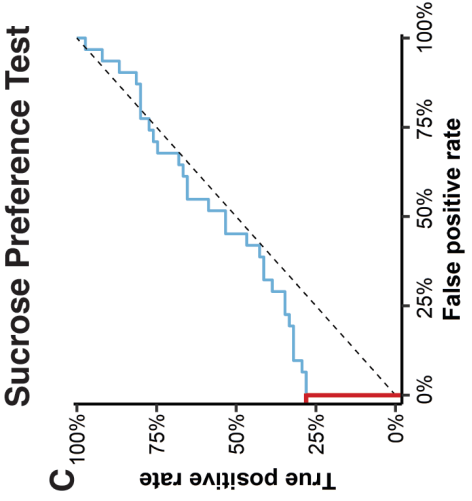
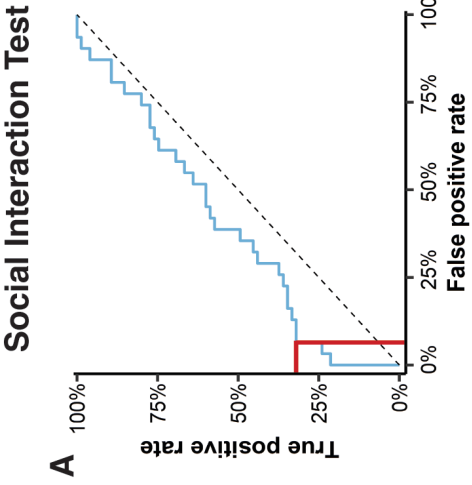


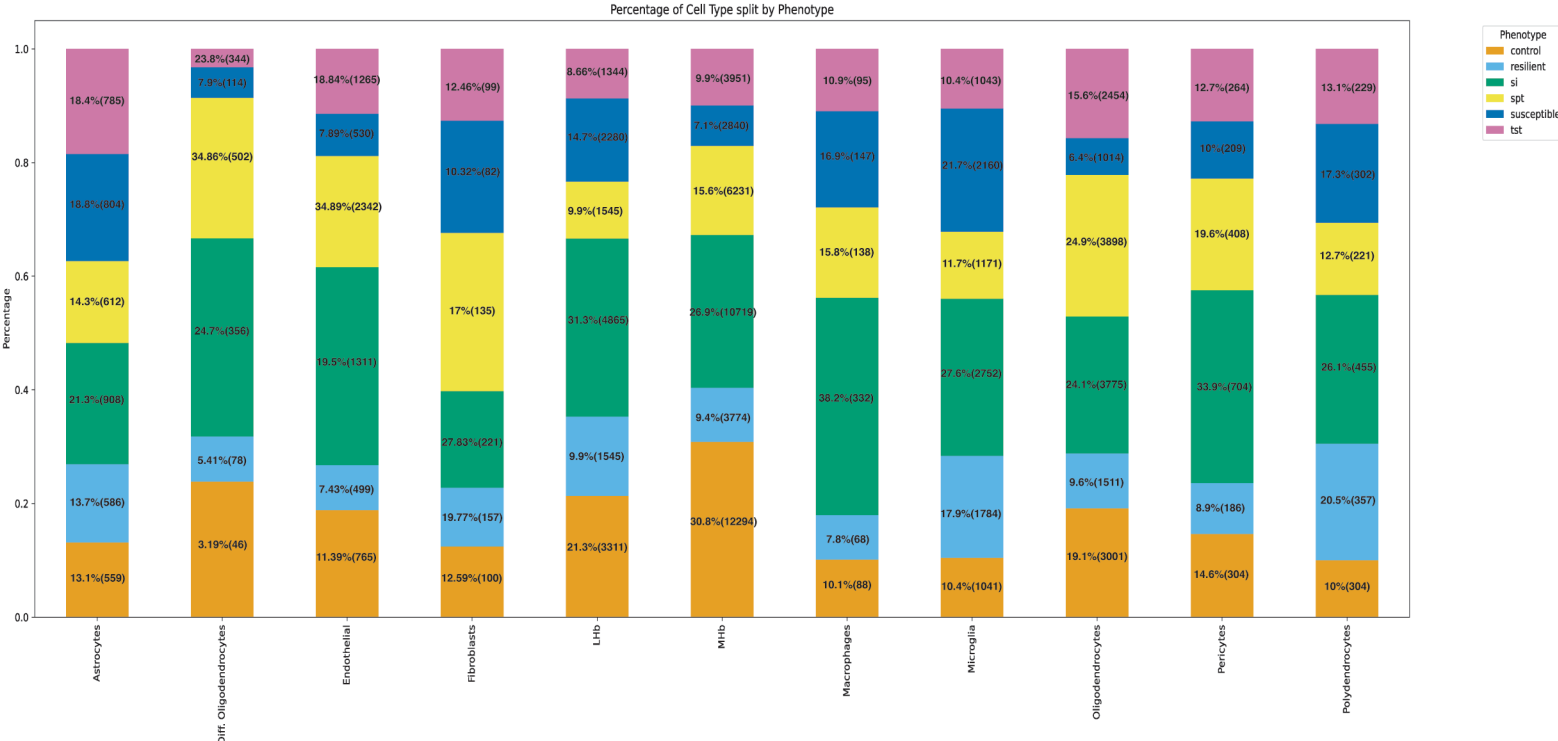
Dissociation and barcoding



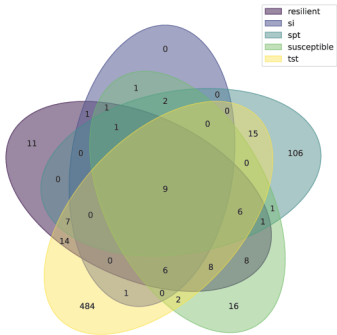
scRNA-Seq



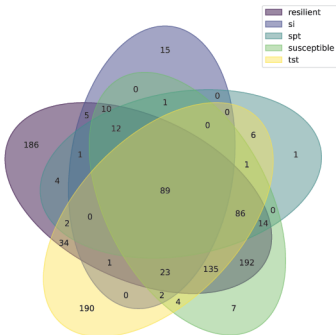




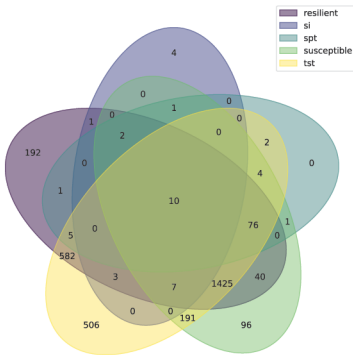
Astrocytes :: DE genes Phenotype vs Control



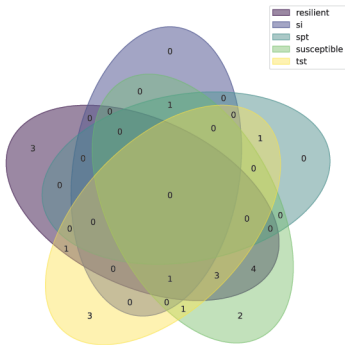
Microglia :: DE genes Phenotype vs Control



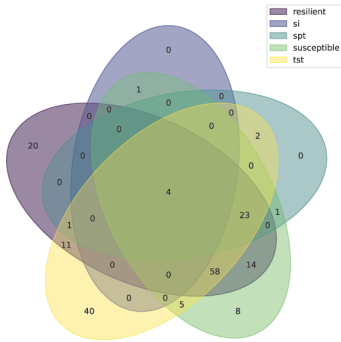
Endothelial :: DE genes Phenotype vs Control



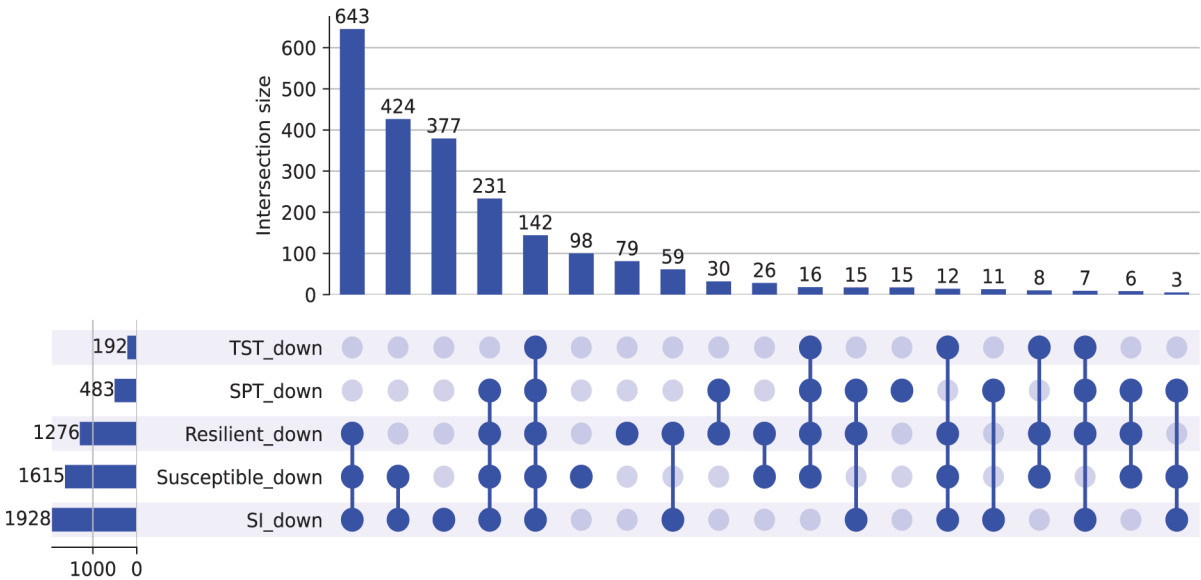
Fibroblasts :: DE genes Phenotype vs Control



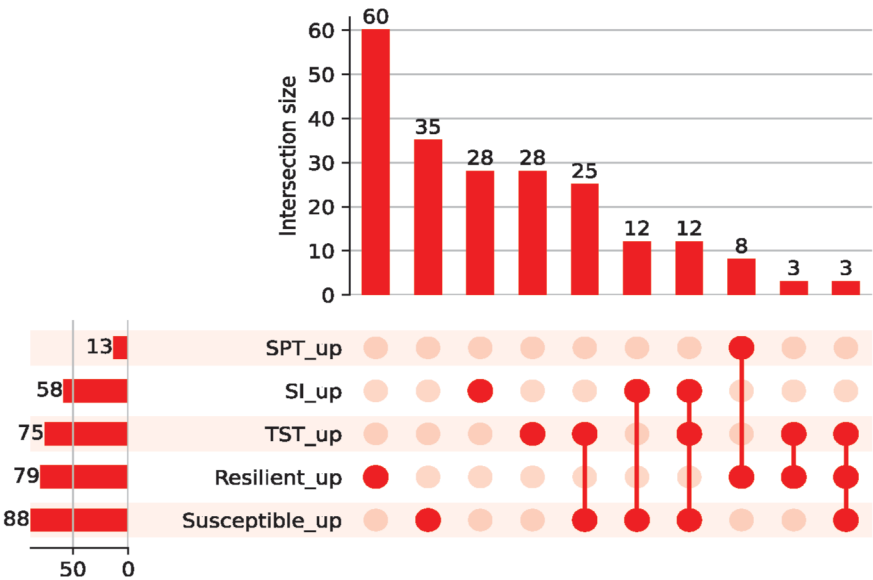
Macrophages :: DE genes Phenotype vs Control



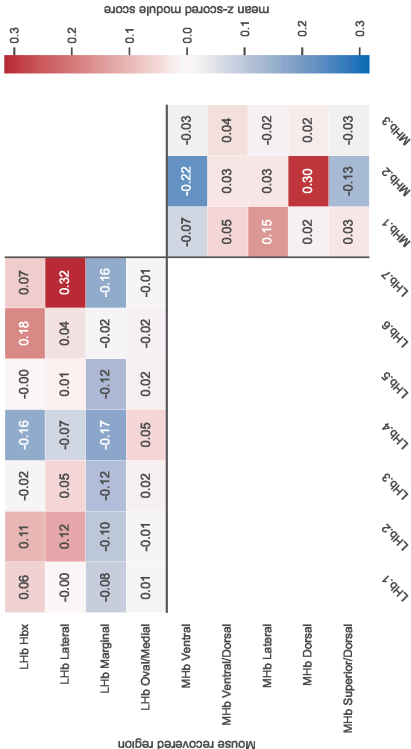
Shared Downregulated Genes Across All Phenotypes



Shared Upregulated Genes Across All Phenotypes



A Human marker module-score conservation

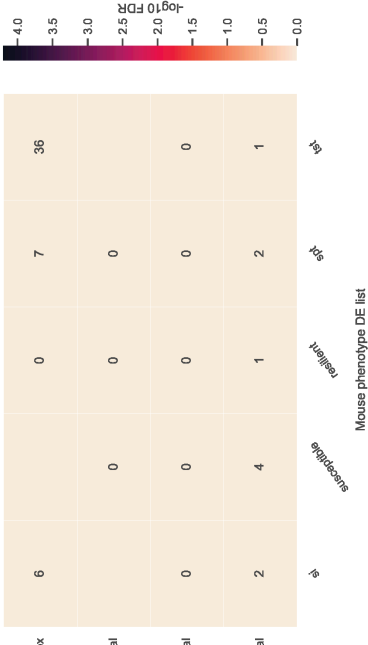


B

Top calibrated human match per mouse subtype

Mouse region	Overlap best	Module best	Rank-corr best
LHb Hbx	LHb.2 (0.38)	LHb.6 (0.40)	LHb.6 (r=0.17)
LHb Lateral	LHb.7 (1.00)	LHb.7 (1.00)	LHb.7 (r=0.16)
LHb Marginal	LHb.3 (0.26)	LHb.6 (0.20)	LHb.6 (r=0.09)
LHb Oval/Medial	LHb.4 (0.69)	LHb.4 (1.00)	LHb.1 (r=0.22)
MHb Ventral	MHb.1 (0.06)	MHb.3 (1.00)	MHb.2 (r=0.25)
MHb Ventral/Dorsal	MHb.1 (0.50)	MHb.1 (0.40)	MHb.1 (r=0.30)
MHb Lateral	MHb.1 (0.00)	MHb.1 (0.20)	MHb.3 (r=0.04)
MHb Dorsal	MHb.2 (1.00)	MHb.2 (1.00)	MHb.3 (r=0.02)
MHb Superior/Dorsal	MHb.2 (0.62)	MHb.1 (1.00)	MHb.2 (r=0.14)

C Recovered LHb subregion phenotype DE overlap



D

Recovered MHb subregion phenotype DE overlap

