

Supplementary Table 1. Study Arms of the pre-CC experiment.

Study Arm	Phenotypes (Location)	Genotyping Platform	# of unique RI Lines
Metabolism	Kidney function, Liver transcriptome (JAX) Metabolism, Exercise, Body composition, Social novelty, Pain perception, Body and organ weights, Immune cell counts (UNC) Immune response (NJH)	Affymetrix Training Array 1	184
Allergic Airway Disease	Airway responsiveness, Hematological parameters, Blood cell counts (NHGRI) Immune response (NJH)	Affymetrix Training Arrays 1 & 2	161
Influenza	Weight loss, Viral titer, Clinical score, Lung histology (UNC)	Affymetrix Training Array 1	155
SARS	Weight loss, Viral titer, Clinical score, Lung histology (UNC)	Affymetrix Mouse Diversity Array	138