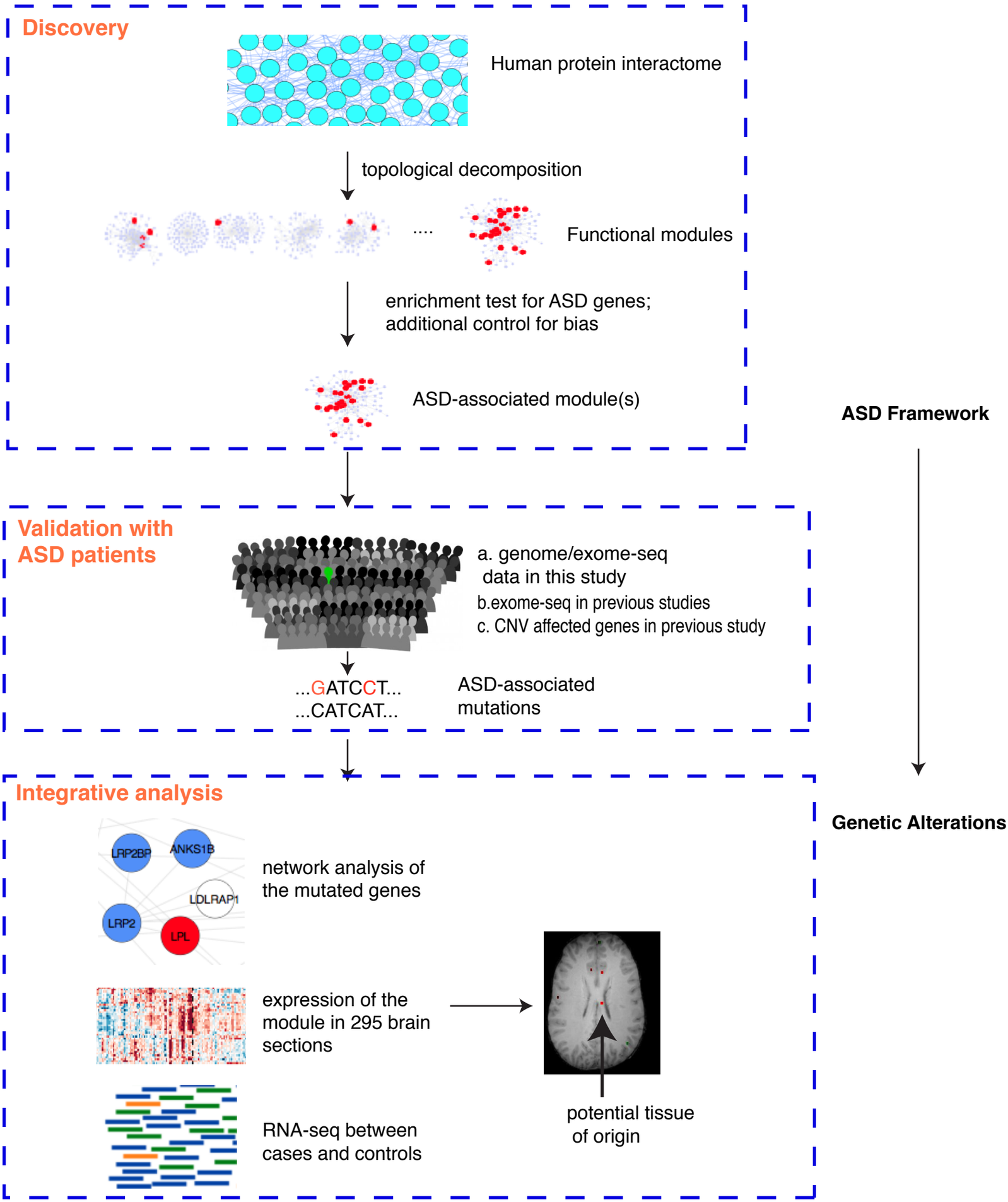
Discovery
Human protein interactome
topological decomposition
....
Functional modules
enrichment test for ASD genes;
additional control for bias
ASD-associated module(s)
ASD Framework
Validation with
ASD patients
a. genome/exome-seq
data in this study
b.exome-seq in previous studies
c. CNV affected genes in previous study
...GATCCT...
...CATCAT...
ASD-associated
mutations
Genetic Alterations
Integrative analysis
LRP2BP
ANKS1B
LDLRAP1
LRP2
LPL
network analysis of
the mutated genes
expression of the
module in 295 brain
sections
RNA-seq between
cases and controls
potential tissue
of origin

Fig. S1