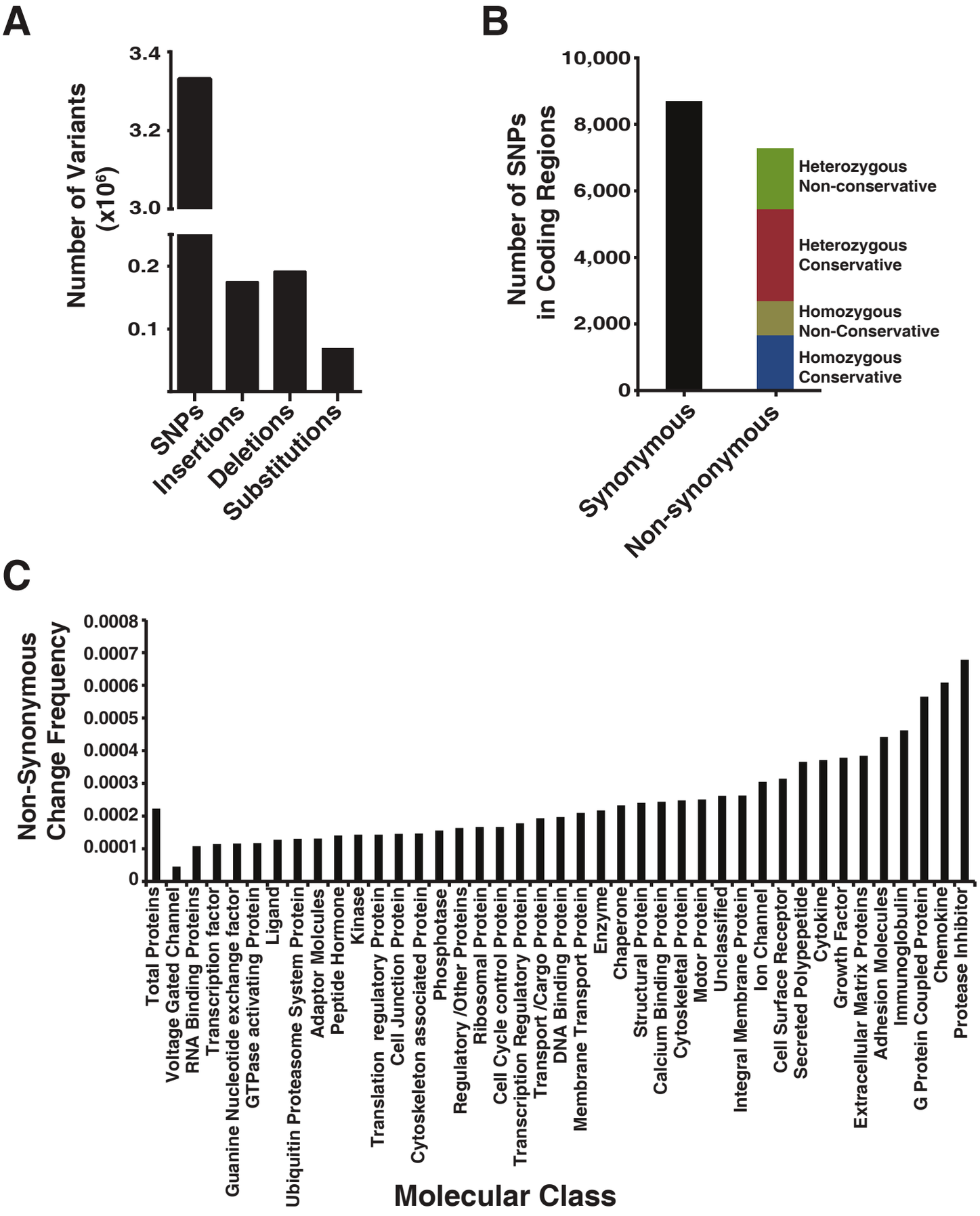
Figure S2


A
Number of Variants (x10⁶)
3.4
3.2
3.0
0.2
0.1
SNPs
Insertions
Deletions
Substitutions
B
Number of SNPs in Coding Regions
10,000
8,000
6,000
4,000
2,000
0
Heterozygous Non-conservative
Heterozygous Conservative
Homozygous Non-Conservative
Homozygous Conservative
Synonymous
Non-synonymous
C
Non-Synonymous Change Frequency
0.0008
0.0007
0.0006
0.0005
0.0004
0.0003
0.0002
0.0001
0
Total Proteins
Voltage Gated Channel
RNA Binding Proteins
Transcription factor
Guanine Nucleotide exchange factor
GTPase activating Protein
Ligand
Ubiquitin Proteasome System Protein
Adaptor Molcules
Peptide Hormone
Kinase
Translation regulatory Protein
Cell Junction Protein
Cytoskeleton associated Protein
Phosphotase
Regulatory /Other Proteins
Ribosomal Protein
Cell Cycle control Protein
Transcription Regulatory Protein
Transport /Cargo Protein
DNA Binding Protein
Membrane Transport Protein
Enzyme
Chaperone
Structural Protein
Calcium Binding Protein
Cytoskeletal Protein
Motor Protein
Unclassified
Integral Membrane Protein
Ion Channel
Cell Surface Receptor
Secreted Polypepetide
Cytokine
Growth Factor
Extracellular Matrix Proteins
Adhesion Molecules
Immunoglobulin
G Protein Coupled Protein
Chemokine
Protease Inhibitor
Molecular Class