

A

TSPO ligand binding classification

TSPO genotype		Ligand Binding Phenotype
DNA polymorphism rs6971	Protein position 147	
Wild type	C/C	HAB*
Mutant	T/T	LAB*

HAB High Affinity Binder ; LAB Low Affinity Binder

B

Vectors for TSPO Mutagenesis

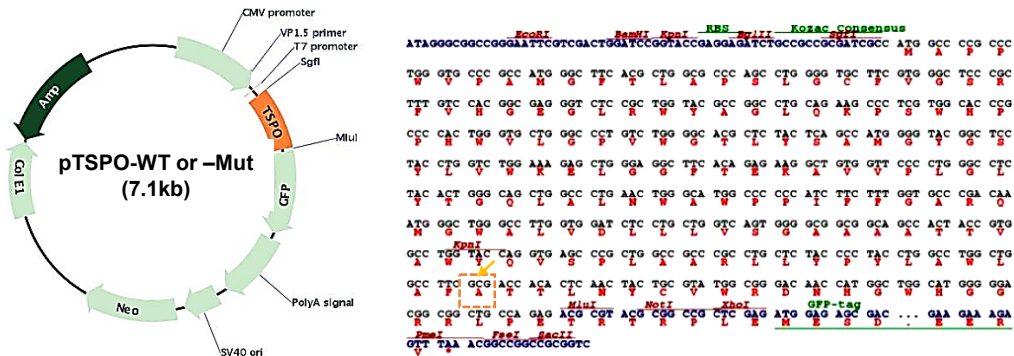


FIGURE S1. TSPO genotypes and classification. (A) TSPO ligand binding classification. Single nucleotide polymorphism rs6971 TSPO (C→T point mutation; rs6971 A147T; Ala to Thr at amino acid 147 of TSPO) influences the binding affinity of TSPO ligands. TSPO with Thr/Thr at amino acid 147 shows a lower binding affinity to its ligand. TSPO ligand binding phenotypes are HAB or LAB, which indicate high- or low-affinity binding of ligands, respectively *Adapted from ref 32, 33. (B) Expression vector design for TSPO mutagenesis.