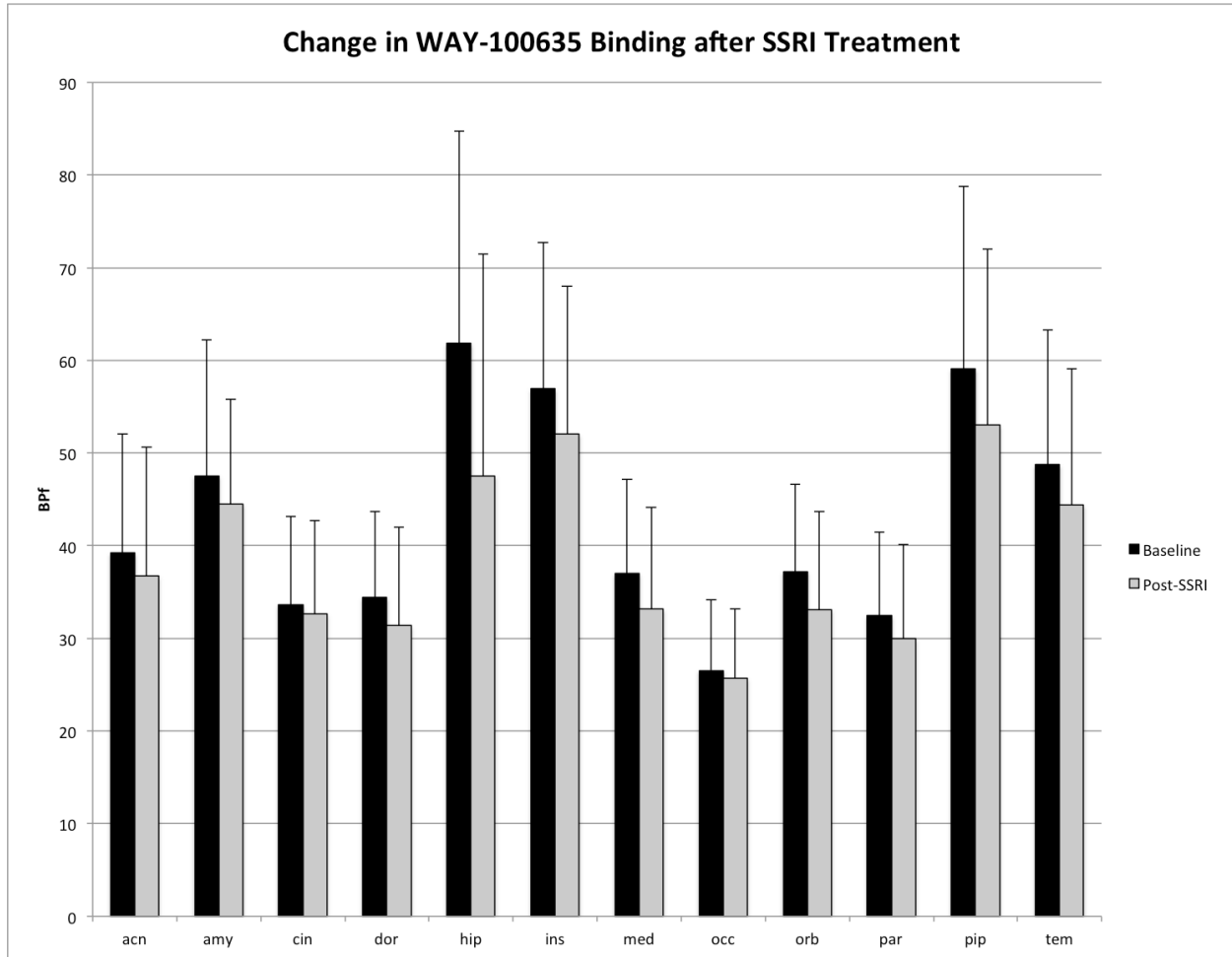


## Antidepressant Treatment Reduces Serotonin-1A Autoreceptor Binding in Major Depressive Disorder

### Supplemental Information



**Figure S1.** 5-HT<sub>1A</sub> binding following selective serotonin reuptake inhibitor (SSRI) treatment in not recently-medicated depressed subjects. No significant effect of treatment ( $df = 1,18$ ;  $F = 2.458$ ;  $p = 0.134$ ) nor of treatment x region interaction ( $df = 11,396$ ;  $F = 0.580$ ;  $p = 0.845$ ) was detected. acn, anterior cingulate; amy, amygdala; cin, cingulate cortex; dor, dorsolateral prefrontal cortex; hip, hippocampus; ins, insular cortex; med, medial prefrontal cortex; occ, occipital cortex; orb, orbital prefrontal cortex; par, parietal cortex; pip, parahippocampal gyrus; tem, temporal cortex.

**Table S1.** Demographic and radiological parameters of all subjects.

	<b>Subjects (<i>n</i> = 23)</b>		
Male <i>n</i> (%)	9 (39%)		
Age ( $\pm$ SD)	42.2 ( $\pm$ 14.1)		
Paroxetine <i>n</i> (%)	16 (70%)		
Citalopram* <i>n</i> (%)	7 (30%)		
Age of Onset, Years ( $\pm$ SD)	26.5 ( $\pm$ 12.4)		
Number of Episodes ( $\pm$ SD)	18.3 ( $\pm$ 33.9)		
Length of Current Episode, Weeks ( $\pm$ SD)	50.9 ( $\pm$ 65.5)		
Genotype C-1019G	CC = 3, CG = 12, GG = 8		
	<b>Pre-Treatment</b>	<b>Post-Treatment</b>	<b><i>p</i></b>
HDRS-24 ( $\pm$ SD, <i>n</i> = 22**)	25.2 ( $\pm$ 8.4)	12.6 ( $\pm$ 8.4)	<0.001
Injected Dose, mCi ( $\pm$ SD)	7.51 ( $\pm$ 4.19)	7.58 ( $\pm$ 3.77)	0.933
Injected Mass, $\mu$ g ( $\pm$ SD)	1.85 ( $\pm$ 1.21)	2.65 ( $\pm$ 2.15)	0.054
Specific Activity, mCi/nmol	2.18 ( $\pm$ 1.22)	1.73 ( $\pm$ 0.93)	0.078
Free Fraction ( $\pm$ SD)	0.0659 ( $\pm$ 0.0230)	0.0653 ( $\pm$ 0.0188)	0.902

\* One subject was treated with escitalopram, the S-enantiomer of citalopram.

\*\* One subject did not receive a post-treatment HDRS-24; *n* = 23 for other rows.