

Supplementary Table 2. Full table for TBSS between HC and HSR

	Group (HC vs. HSR) ^a		FoxO1_ rs3751436 ^a		FoxO1_ rs34733279 ^a		Group by FoxO1_ rs3751436 ^b		Group by FoxO1_ rs34733279 ^b		
	F	P	F	P	F	P	F	P	F	P	
L. anterior corona radiata	4.163	0.042	.110	.740	0.105	0.746	.418	.518	4.937	0.027	
R. anterior corona radiata	3.728	0.055	1.332	.250	0.386	0.535	4.085	.044	6.120	0.014	
L. anterior limb of internal capsule	2.018	0.157	1.792	.182	1.035	0.310	2.119	.147	8.342	0.004	
R. anterior limb of internal capsule	2.511	0.114	2.299	.131	3.746	0.054	1.920	.167	1.721	0.191	
Body of corpus callosum	0.719	0.397	2.933	.088	1.358	0.245	5.278	.022	6.043	0.015	
Corpus callosum	2.469	0.117	3.311	.070	1.824	0.178	5.642	.018	7.329	0.007	
L. cingulum (cingulate gyrus)	0.263	0.608	.682	.410	0.022	0.881	8.292	.004	12.396	5.16.E-04 *	
R. cingulum (cingulate gyrus)	0.210	0.647	1.411	.236	0.939	0.334	3.468	.064	12.004	0.001	
L. cingulum (hippocampus)	2.055	0.153	.156	.693	0.004	0.947	1.474	.226	0.375	0.541	
R. cingulum (hippocampus)	2.464	0.118	.061	.805	0.176	0.676	2.657	.104	0.120	0.729	
L. cerebral peduncle	<0.001	0.987	.051	.821	0.332	0.565	1.274	.260	6.852	0.009	
R. cerebral peduncle	0.296	0.587	.539	.464	0.025	0.874	3.242	.073	4.249	0.040	
L. corticospinal tract	1.147	0.285	.061	.805	0.733	0.393	.080	.777	0.029	0.864	
R. corticospinal tract	1.423	0.234	.920	.338	0.651	0.420	.257	.613	0.113	0.737	
L. external capsule	0.005	0.945	1.438	.232	0.696	0.405	.409	.523	2.573	0.110	
R. external capsule	2.521	0.114	4.402	.037	0.426	0.515	2.318	.129	3.198	0.075	
L. fornix (cres)	0.001	0.980	2.031	.155	3.300	0.071	.027	.869	10.691	0.001	
R. fornix (cres) *	2.062	0.152	.713	.399	0.490	0.485	.253	.615	0.198	0.657	
Genu of corpus callosum	3.736	0.054	.269	.605	0.775	0.380	1.165	.282	1.021	0.313	
L. internal capsule	0.260	0.611	1.206	.273	0.367	0.545	.144	.705	1.334	0.249	
R. internal capsule	4.412	0.037	2.467	.118	0.626	0.430	1.503	.221	2.652	0.105	
L. inferior fronto-occipital fasciculus	2.946	0.087	4.420	.037	3.920	0.049	4.283	.040	0.832	0.363	
R. inferior fronto-occipital fasciculus	0.028	0.868	.050	.823	0.128	0.720	.289	.592	0.090	0.764	
L. posterior corona radiata	0.040	0.843	.010	.922	0.001	0.977	6.888	.009	5.892	0.016	
R. posterior corona radiata	0.430	0.513	.068	.795	0.064	0.801	2.429	.120	0.988	0.321	
L. posterior limb of internal capsule	0.137	0.712	1.404	.237	0.359	0.550	1.661	.199	0.032	0.859	
R. posterior limb of internal capsule	0.216	0.643	1.686	.195	0.011	0.916	.649	.421	0.003	0.959	
L. posterior thalamic radiation	12.581	4.69.E-04	*HSR<HC	.013	.911	0.428	0.513	2.916	.089	5.015	0.026
R. posterior thalamic radiation	8.137	0.005	.002	.965	0.015	0.901	.611	.435	0.197	0.658	

L. retrolenticular part of internal capsule	1.965	0.162		1.635	.202	1.891	0.170	2.647	.105	2.334	0.128
R. retrolenticular part of internal capsule	0.225	0.636		.541	.463	0.763	0.383	1.868	.173	4.147	0.043
Splenium of corpus callosum	6.370	0.012		.992	.320	0.312	0.577	2.178	.141	0.190	0.663
L. superior corona radiata	0.554	0.457		.810	.369	0.278	0.598	3.353	.068	2.027	0.156
R. superior corona radiata	0.335	0.563		1.638	.202	0.611	0.435	3.585	.060	1.932	0.166
L. superior fronto-occipital fasciculus	0.591	0.443		2.645	.105	0.006	0.941	5.824	.017	6.668	0.010
R. superior fronto-occipital fasciculus	4.573	0.034		5.112	.025	0.090	0.764	.716	.398	3.276	0.072
L. superior longitudinal fasciculus	1.119	0.291		.007	.934	0.002	0.963	5.987	.015	8.176	0.005
R. superior longitudinal fasciculus	0.700	0.404		.082	.775	0.951	0.330	.829	.364	0.096	0.757
L. sagittal stratum	11.357	8.77.E-04	*HSR<HC	.215	.644	0.285	0.594	3.636	.058	8.850	0.003
R. sagittal stratum	3.079	0.081		.118	.732	0.561	0.455	1.283	.259	3.993	0.047
L. uncinate fasciculus	11.346	8.82.E-04	*HSR<HC	.272	.602	0.610	0.435	.274	.601	0.704	0.402
R. uncinate fasciculus	5.694	0.018		.010	.922	0.590	0.443	.342	.559	0.395	0.531

Two-way analysis of covariance with the adjustment for age, sex, education level and total intracranial cavity volume as covariates

*regions that remained significant after Bonferroni correction are marked with an asterisk.

^a Bonferroni correction was applied in the effect of the diagnosis: $p < 0.05 / (42 \text{ tracts}) = 0.00119$

^b Bonferroni correction was applied in the effect of the diagnosis-genotype interaction: $p < 0.05 / (42 \text{ tracts} \times 2 \text{ genetic polymorphisms}) = 0.00060$

HC, healthy control; HSR, high suicide risk; L, left; R, right