

Table S1. ¹⁸F-FDG uptake by brain region for each rat, normalized to the mean whole brain uptake.

	RAT											
	GROUP	DAY	1	2	3	4	5	6	7	8	9	10
nucleus accumbens – core	transient	baseline	1.061	1.045	1.011	1.075	1.057	1.065	1.129	1.006	1.080	1.045
nucleus accumbens – shell	transient	baseline	0.999	0.948	0.885	1.018	0.982	0.998	1.038	0.866	0.911	1.030
amygdala	transient	baseline	0.764	0.768	0.708	0.758	0.854	0.836	0.811	0.697	0.735	0.724
nucleus stria terminalis	transient	baseline	0.974	1.015	0.905	1.021	0.993	1.009	1.055	0.902	0.937	1.031
caudate / putamen	transient	baseline	1.090	1.123	1.068	1.104	1.109	1.145	1.161	1.140	1.136	1.124
corpus collosum	transient	baseline	1.099	1.117	1.106	1.129	1.117	1.149	1.172	1.114	1.120	1.146
cortex – auditory	transient	baseline	0.959	0.952	1.002	0.945	0.991	0.992	0.977	1.061	1.042	0.884
cortex – cingulate	transient	baseline	1.178	1.124	1.147	1.171	1.174	1.223	1.281	1.179	1.145	1.216
cortex – entorhinal	transient	baseline	0.860	0.810	0.856	0.836	0.901	0.854	0.874	0.783	0.833	0.761
cortex – frontal association	transient	baseline	1.197	1.262	1.175	1.248	1.120	1.268	1.193	1.337	1.185	1.228
cortex – insular	transient	baseline	0.937	1.003	0.937	1.065	1.009	1.068	1.063	1.010	0.914	1.000
cortex – medial prefrontal	transient	baseline	1.202	1.134	1.140	1.199	1.175	1.249	1.271	1.160	1.177	1.195
cortex – motor	transient	baseline	1.096	1.079	1.074	1.091	1.084	1.172	1.112	1.276	1.219	1.172
cortex – orbitofrontal	transient	baseline	1.195	1.268	1.184	1.256	1.145	1.269	1.286	1.268	1.177	1.255
cortex – parietal association	transient	baseline	0.996	1.008	1.016	0.931	0.986	1.007	0.996	1.194	1.104	1.012
cortex – piriform	transient	baseline	0.843	0.861	0.819	0.919	0.922	0.968	0.956	0.825	0.737	0.852
cortex – retrosplenial	transient	baseline	1.081	1.078	1.109	0.989	1.108	1.030	1.119	1.162	1.164	1.115
cortex – somatosensory	transient	baseline	1.023	1.040	1.028	1.070	1.061	1.111	1.039	1.190	1.143	1.088
cortex – temporal association	transient	baseline	0.938	0.918	0.987	0.929	0.950	0.912	0.959	0.975	0.996	0.772
cortex – visual	transient	baseline	0.991	0.989	1.023	0.926	0.957	0.953	0.983	1.162	1.126	0.926
diagonal band	transient	baseline	0.884	0.853	0.739	0.920	0.854	0.881	0.880	0.662	0.750	0.892
globus pallidus	transient	baseline	0.991	1.030	0.950	1.034	1.031	1.060	1.055	0.951	0.967	0.995
hippocampus – anterodorsal	transient	baseline	1.090	1.061	1.096	1.127	1.071	1.102	1.136	1.069	1.144	1.081
hippocampus – posterior	transient	baseline	1.047	0.999	1.047	1.071	1.037	1.045	1.059	1.028	1.019	1.094
hippocampus – posterodorsal	transient	baseline	1.064	1.099	1.068	1.081	1.095	1.127	1.108	1.088	1.100	1.167
hippocampus – subiculum	transient	baseline	1.021	1.009	1.030	1.015	1.030	1.001	1.038	1.026	0.998	1.087
hippocampus – ventral	transient	baseline	0.891	0.891	0.885	0.899	0.927	0.937	0.953	0.842	0.944	0.883
hypothalamus – lateral	transient	baseline	0.868	0.841	0.787	0.863	0.916	0.867	0.858	0.694	0.764	0.882
hypothalamus – medial	transient	baseline	0.843	0.841	0.730	0.822	0.896	0.845	0.802	0.667	0.749	0.845
internal capsule	transient	baseline	0.966	0.972	0.948	1.010	1.020	1.002	1.010	0.895	0.950	0.993
IPAC	transient	baseline	0.958	0.958	0.891	0.986	0.992	1.027	0.992	0.909	0.959	0.939
medial geniculate	transient	baseline	1.013	1.010	1.030	1.055	1.083	1.079	1.023	0.994	0.930	1.030
mesencephalic region	transient	baseline	0.978	1.008	1.023	1.058	1.052	1.018	0.999	0.935	0.964	1.061
olfactory nuclei	transient	baseline	1.150	1.214	1.161	1.257	1.073	1.233	1.282	1.120	0.974	1.182

olfactory tubercle	transient	baseline	0.849	0.841	0.738	0.939	0.851	0.880	0.895	0.625	0.655	0.882
periaqueductal grey	transient	baseline	1.051	1.107	1.139	1.073	1.053	1.115	1.141	1.057	1.083	1.155
pons	transient	baseline	0.948	0.976	0.957	0.946	0.916	0.900	0.872	0.883	0.873	1.019
raphe	transient	baseline	0.941	0.985	0.940	1.025	1.000	0.973	0.967	0.951	0.939	1.011
septum	transient	baseline	1.020	1.026	1.002	1.058	1.003	1.045	1.113	0.947	0.982	0.997
substantia innominata	transient	baseline	0.898	0.884	0.823	0.909	0.894	0.917	0.901	0.776	0.867	0.940
substantia nigra	transient	baseline	0.854	0.898	0.896	0.921	0.984	0.882	0.875	0.758	0.783	0.871
superior colliculus	transient	baseline	1.139	1.203	1.203	1.107	1.154	1.120	1.183	1.198	1.192	1.291
thalamus – dorsolateral	transient	baseline	1.042	1.063	1.038	1.100	1.099	1.071	1.073	1.047	1.081	1.118
thalamus – midline dorsal	transient	baseline	1.061	1.057	1.101	1.136	1.064	1.083	1.121	1.087	1.151	1.186
thalamus – ventromedial	transient	baseline	1.043	0.971	0.938	1.041	1.074	1.001	1.035	0.999	1.006	1.179
ventral pallidum	transient	baseline	0.925	0.886	0.830	0.940	0.911	0.935	0.932	0.776	0.841	0.942
ventral tegmental area	transient	baseline	0.869	0.919	0.847	0.966	1.037	0.905	0.874	0.781	0.790	0.903
zona incerta	transient	baseline	0.974	0.944	0.962	1.022	1.037	0.976	0.984	0.919	0.962	1.032
medulla	transient	baseline	1.044	0.969	1.012	0.900	0.949	0.881	0.821	0.866	0.898	0.875
cerebellum	transient	baseline	0.972	0.957	0.999	0.930	0.885	0.856	0.883	0.948	0.973	0.861
nucleus accumbens – core	transient	day 7	1.042	1.072	1.110	1.039	1.069	1.117	1.096	0.979	0.995	1.087
nucleus accumbens – shell	transient	day 7	0.969	0.988	1.044	0.985	1.002	1.038	1.000	0.857	0.962	0.965
amygdala	transient	day 7	0.755	0.745	0.802	0.736	0.783	0.808	0.739	0.659	0.773	0.707
nucleus stria terminalis	transient	day 7	0.976	1.006	1.008	0.974	0.995	1.024	1.043	0.904	0.965	0.933
caudate / putamen	transient	day 7	1.059	1.120	1.104	1.109	1.096	1.128	1.142	1.131	1.068	1.142
corpus collosum	transient	day 7	1.112	1.137	1.118	1.121	1.141	1.122	1.166	1.109	1.080	1.111
cortex – auditory	transient	day 7	0.948	0.925	0.965	0.924	0.999	0.926	0.958	1.116	1.013	0.954
cortex – cingulate	transient	day 7	1.185	1.242	1.260	1.138	1.193	1.175	1.278	1.154	1.152	1.181
cortex – entorhinal	transient	day 7	0.828	0.819	0.886	0.807	0.851	0.873	0.815	0.815	0.839	0.776
cortex – frontal association	transient	day 7	1.160	1.234	1.257	1.217	1.198	1.154	1.270	1.333	1.220	1.169
cortex – insular	transient	day 7	0.964	0.978	0.977	1.018	1.051	1.056	1.050	1.007	1.024	0.903
cortex – medial prefrontal	transient	day 7	1.121	1.314	1.277	1.155	1.188	1.241	1.268	1.132	1.118	1.171
cortex – motor	transient	day 7	1.079	1.190	1.099	1.120	1.118	1.043	1.158	1.268	1.163	1.178
cortex – orbitofrontal	transient	day 7	1.170	1.232	1.277	1.220	1.224	1.292	1.303	1.245	1.200	1.133
cortex – parietal association	transient	day 7	1.013	1.034	0.994	0.969	1.024	0.918	1.001	1.146	1.078	1.074
cortex – piriform	transient	day 7	0.882	0.828	0.916	0.843	0.919	0.937	0.879	0.801	0.857	0.769
cortex – retrosplenial	transient	day 7	1.111	1.115	1.036	1.028	1.101	1.040	1.110	1.197	1.145	1.155
cortex – somatosensory	transient	day 7	1.029	1.073	1.037	1.082	1.063	1.012	1.057	1.179	1.122	1.089
cortex – temporal association	transient	day 7	0.902	0.947	0.973	0.878	0.937	0.904	0.908	1.027	0.930	0.908
cortex – visual	transient	day 7	0.957	1.011	1.001	0.925	1.000	0.910	0.986	1.150	1.053	1.066
diagonal band	transient	day 7	0.837	0.874	0.917	0.874	0.887	0.899	0.842	0.700	0.789	0.826
globus pallidus	transient	day 7	0.984	1.019	0.976	0.992	1.002	1.050	1.030	0.942	0.987	1.028
hippocampus – anterodorsal	transient	day 7	1.126	1.104	1.103	1.118	1.125	1.063	1.159	1.066	1.102	1.082

hippocampus – posterior	transient	day 7	1.052	1.049	1.013	1.087	1.104	1.055	1.077	1.019	1.047	1.070
hippocampus – posterodorsal	transient	day 7	1.119	1.092	1.062	1.113	1.148	1.108	1.149	1.097	1.080	1.110
hippocampus – subiculum	transient	day 7	1.027	1.006	0.993	1.044	1.053	1.034	1.033	0.985	1.031	1.019
hippocampus – ventral	transient	day 7	0.892	0.892	0.895	0.898	0.914	0.925	0.899	0.896	0.901	0.861
hypothalamus – lateral	transient	day 7	0.845	0.834	0.853	0.865	0.855	0.913	0.830	0.727	0.825	0.824
hypothalamus – medial	transient	day 7	0.818	0.813	0.834	0.826	0.798	0.850	0.793	0.696	0.784	0.792
internal capsule	transient	day 7	0.970	0.966	0.969	1.004	0.974	1.018	0.988	0.901	0.953	0.947
IPAC	transient	day 7	0.926	0.964	0.963	0.943	0.977	1.019	0.963	0.888	0.993	0.967
medial geniculate	transient	day 7	1.031	0.988	1.028	1.104	1.076	1.089	1.042	0.954	0.960	1.035
mesencephalic region	transient	day 7	1.032	0.997	0.976	1.060	1.043	1.074	1.042	0.958	1.002	1.042
olfactory nuclei	transient	day 7	1.190	1.193	1.301	1.154	1.165	1.290	1.249	1.170	1.098	1.128
olfactory tubercle	transient	day 7	0.872	0.834	0.936	0.863	0.888	0.917	0.847	0.669	0.818	0.760
periaqueductal grey	transient	day 7	1.163	1.129	1.006	1.178	1.100	1.106	1.147	1.048	1.041	1.122
pons	transient	day 7	0.964	0.880	0.919	1.000	0.999	0.922	0.931	0.906	0.946	0.989
raphe	transient	day 7	1.011	1.006	0.941	1.033	1.019	1.017	1.016	0.993	0.928	1.003
septum	transient	day 7	0.994	1.080	1.083	1.012	1.017	0.993	1.067	0.959	0.948	0.946
substantia innominata	transient	day 7	0.862	0.887	0.891	0.887	0.899	0.964	0.889	0.814	0.909	0.865
substantia nigra	transient	day 7	0.907	0.855	0.879	0.918	0.901	0.943	0.842	0.753	0.820	0.836
superior colliculus	transient	day 7	1.223	1.155	1.079	1.246	1.177	1.155	1.192	1.183	1.223	1.243
thalamus – dorsolateral	transient	day 7	1.074	1.075	1.076	1.083	1.075	1.084	1.115	1.060	1.098	1.103
thalamus – midline dorsal	transient	day 7	1.107	1.131	1.098	1.092	1.095	1.029	1.152	1.148	1.147	1.122
thalamus – ventromedial	transient	day 7	1.002	1.051	1.047	1.009	1.004	0.992	1.059	0.978	1.076	1.010
ventral pallidum	transient	day 7	0.895	0.896	0.937	0.911	0.931	0.964	0.906	0.787	0.938	0.889
ventral tegmental area	transient	day 7	0.929	0.881	0.874	0.916	0.936	0.929	0.882	0.773	0.841	0.895
zona incerta	transient	day 7	0.977	0.950	0.979	1.004	0.985	1.026	0.961	0.943	0.998	1.012
medulla	transient	day 7	0.993	0.902	0.961	0.892	0.920	0.933	0.867	0.888	0.929	0.927
cerebellum	transient	day 7	0.968	0.942	0.929	0.933	0.862	0.949	0.878	0.920	0.925	0.931
nucleus accumbens – core	transient	day 14	1.051	1.056	1.053	1.030	1.067	1.064	1.050	1.050	1.061	1.085
nucleus accumbens – shell	transient	day 14	0.988	1.010	1.020	0.958	0.979	0.973	0.981	0.971	0.964	1.032
amygdala	transient	day 14	0.811	0.834	0.801	0.678	0.770	0.761	0.732	0.762	0.775	0.693
nucleus stria terminalis	transient	day 14	0.988	1.075	1.005	1.018	0.995	1.039	1.004	0.980	1.033	0.981
caudate / putamen	transient	day 14	1.071	1.074	1.078	1.110	1.116	1.167	1.134	1.099	1.116	1.162
corpus colosum	transient	day 14	1.086	1.094	1.100	1.155	1.146	1.162	1.170	1.096	1.103	1.174
cortex – auditory	transient	day 14	1.036	0.940	0.988	0.974	0.997	0.906	0.927	1.063	1.085	0.971
cortex – cingulate	transient	day 14	1.127	1.175	1.161	1.227	1.227	1.273	1.326	1.181	1.175	1.324
cortex – entorhinal	transient	day 14	0.883	0.892	0.910	0.782	0.891	0.831	0.813	0.863	0.856	0.783
cortex – frontal association	transient	day 14	1.155	1.258	1.196	1.281	1.088	1.253	1.222	1.245	1.294	1.261
cortex – insular	transient	day 14	1.086	1.075	0.983	1.056	1.049	1.020	1.044	1.067	1.099	1.056
cortex – medial prefrontal	transient	day 14	1.172	1.182	1.151	1.251	1.200	1.272	1.289	1.141	1.128	1.253

cortex – motor	transient	day 14	1.071	1.106	1.084	1.141	1.085	1.151	1.181	1.199	1.220	1.217
cortex – orbitofrontal	transient	day 14	1.196	1.222	1.186	1.295	1.182	1.250	1.310	1.254	1.273	1.299
cortex – parietal association	transient	day 14	0.999	0.941	0.953	0.985	0.994	0.930	0.977	1.083	1.089	1.080
cortex – piriform	transient	day 14	0.982	0.935	0.913	0.845	0.884	0.841	0.869	0.906	0.894	0.870
cortex – retrosplenial	transient	day 14	1.015	1.023	0.984	1.006	1.114	1.064	1.078	1.096	1.040	1.156
cortex – somatosensory	transient	day 14	1.041	1.021	1.033	1.081	1.072	1.055	1.088	1.141	1.164	1.110
cortex – temporal association	transient	day 14	0.999	0.917	0.955	0.854	0.977	0.889	0.876	1.000	0.999	0.853
cortex – visual	transient	day 14	0.970	0.922	0.934	0.896	0.988	0.920	0.916	1.006	1.034	1.018
diagonal band	transient	day 14	0.891	0.968	0.940	0.834	0.850	0.849	0.827	0.774	0.742	0.813
globus pallidus	transient	day 14	0.973	1.003	0.982	1.006	1.016	1.068	1.008	0.948	0.951	0.979
hippocampus – anterodorsal	transient	day 14	1.070	1.109	1.108	1.159	1.102	1.121	1.110	1.066	1.071	1.099
hippocampus – posterior	transient	day 14	1.051	1.093	1.054	1.103	1.071	1.042	1.040	0.989	1.055	1.079
hippocampus – posterodorsal	transient	day 14	1.096	1.116	1.089	1.159	1.115	1.102	1.113	1.070	1.099	1.115
hippocampus – subiculum	transient	day 14	1.031	1.046	1.036	1.041	1.065	1.027	1.008	1.015	1.028	1.021
hippocampus – ventral	transient	day 14	0.915	0.956	0.941	0.882	0.907	0.906	0.882	0.904	0.931	0.883
hypothalamus – lateral	transient	day 14	0.866	0.915	0.873	0.824	0.839	0.878	0.846	0.825	0.789	0.822
hypothalamus – medial	transient	day 14	0.863	0.918	0.891	0.785	0.782	0.849	0.802	0.778	0.752	0.795
internal capsule	transient	day 14	0.974	0.974	0.988	0.992	0.986	1.012	0.987	0.916	0.944	0.942
IPAC	transient	day 14	0.943	1.006	0.947	0.928	0.972	0.974	0.956	0.943	0.936	0.951
medial geniculate	transient	day 14	1.016	1.068	1.040	1.098	1.057	1.039	1.031	1.017	0.935	1.015
mesencephalic region	transient	day 14	1.021	1.084	1.017	1.087	1.058	1.067	1.065	0.987	0.993	1.032
olfactory nuclei	transient	day 14	1.215	1.185	1.237	1.256	1.093	1.165	1.250	1.156	1.141	1.228
olfactory tubercle	transient	day 14	0.916	0.917	0.905	0.821	0.818	0.805	0.848	0.773	0.777	0.871
periaqueductal grey	transient	day 14	1.117	1.170	1.010	1.174	1.137	1.146	1.156	1.045	1.049	1.073
pons	transient	day 14	0.971	0.947	1.030	1.006	0.965	0.921	0.968	0.919	0.972	0.949
raphe	transient	day 14	1.011	1.066	0.955	1.038	1.029	1.048	1.037	0.996	1.068	0.989
septum	transient	day 14	1.038	1.055	1.035	1.048	1.019	1.085	1.047	0.947	0.939	0.980
substantia innominata	transient	day 14	0.887	0.982	0.884	0.855	0.881	0.894	0.881	0.851	0.840	0.848
substantia nigra	transient	day 14	0.907	0.920	0.921	0.909	0.905	0.903	0.883	0.842	0.835	0.867
superior colliculus	transient	day 14	1.141	1.127	1.123	1.241	1.212	1.180	1.177	1.210	1.216	1.208
thalamus – dorsolateral	transient	day 14	1.070	1.087	1.073	1.116	1.083	1.111	1.094	1.093	1.101	1.104
thalamus – midline dorsal	transient	day 14	1.064	1.161	1.081	1.154	1.077	1.190	1.141	1.082	1.104	1.130
thalamus – ventromedial	transient	day 14	1.042	1.066	1.035	1.064	1.020	1.109	1.100	1.094	1.090	1.050
ventral pallidum	transient	day 14	0.910	0.987	0.924	0.866	0.904	0.905	0.892	0.893	0.863	0.907
ventral tegmental area	transient	day 14	0.913	0.923	0.923	0.940	0.913	0.958	0.936	0.868	0.898	0.918
zona incerta	transient	day 14	0.974	1.008	0.984	0.994	0.992	1.034	0.992	1.013	0.998	0.963
medulla	transient	day 14	0.975	0.911	0.968	0.922	0.967	0.964	0.952	0.936	0.928	0.845
cerebellum	transient	day 14	0.908	0.895	0.908	0.888	0.858	0.861	0.853	0.862	0.816	0.859

	GROUP	DAY	RAT									
			11	12	13	14	15	16	17	18	19	20
nucleus accumbens – core	persistent	baseline	1.022	1.120	1.050	1.042	1.032	1.084	1.056	1.077	1.081	1.040
nucleus accumbens – shell	persistent	baseline	0.932	1.051	0.976	0.994	0.950	1.007	0.936	0.996	0.961	1.025
amygdala	persistent	baseline	0.749	0.788	0.791	0.775	0.671	0.763	0.667	0.796	0.783	0.806
nucleus stria terminalis	persistent	baseline	0.979	1.048	0.971	0.982	0.973	1.014	0.933	0.971	1.050	0.947
caudate / putamen	persistent	baseline	1.117	1.179	1.097	1.117	1.094	1.116	1.134	1.136	1.102	1.083
corpus colosum	persistent	baseline	1.148	1.147	1.145	1.156	1.120	1.140	1.100	1.090	1.088	1.073
cortex – auditory	persistent	baseline	0.884	0.984	0.949	0.960	0.941	0.959	0.970	1.053	0.917	0.987
cortex – cingulate	persistent	baseline	1.204	1.153	1.220	1.209	1.185	1.242	1.124	1.172	1.155	1.175
cortex – entorhinal	persistent	baseline	0.771	0.859	0.809	0.804	0.763	0.823	0.760	0.870	0.837	0.873
cortex – frontal association	persistent	baseline	1.140	1.185	1.272	1.186	1.270	1.245	1.260	1.101	1.148	1.139
cortex – insular	persistent	baseline	0.927	1.122	0.985	1.039	1.045	1.009	0.996	1.065	0.986	1.019
cortex – medial prefrontal	persistent	baseline	1.179	1.205	1.192	1.196	1.179	1.273	1.195	1.123	1.211	1.152
cortex – motor	persistent	baseline	1.118	1.079	1.148	1.091	1.160	1.128	1.230	1.144	1.151	1.130
cortex – orbitofrontal	persistent	baseline	1.187	1.268	1.257	1.243	1.251	1.272	1.251	1.196	1.200	1.153
cortex – parietal association	persistent	baseline	1.030	0.961	1.018	0.990	1.074	0.981	1.141	1.064	1.030	0.999
cortex – piriform	persistent	baseline	0.794	0.983	0.918	0.867	0.834	0.854	0.809	0.925	0.886	0.902
cortex – retrosplenial	persistent	baseline	1.067	1.001	1.079	1.091	1.088	1.014	1.141	1.061	1.106	1.091
cortex – somatosensory	persistent	baseline	1.050	1.103	1.061	1.073	1.087	1.090	1.119	1.138	1.070	1.104
cortex – temporal association	persistent	baseline	0.830	0.911	0.891	0.885	0.860	0.898	0.905	1.015	0.858	0.896
cortex – visual	persistent	baseline	0.964	0.886	0.959	0.964	1.000	0.922	1.140	1.048	1.008	1.028
diagonal band	persistent	baseline	0.810	0.918	0.814	0.861	0.804	0.900	0.753	0.796	0.843	0.857
globus pallidus	persistent	baseline	1.016	1.063	1.002	1.027	0.989	1.009	0.942	0.984	0.983	1.009
hippocampus – anterodorsal	persistent	baseline	1.149	1.116	1.124	1.158	1.103	1.073	1.080	1.061	1.062	1.081
hippocampus – posterior	persistent	baseline	1.035	1.018	1.101	1.065	1.041	1.045	1.017	1.017	1.069	1.015
hippocampus – posterodorsal	persistent	baseline	1.141	1.087	1.136	1.143	1.119	1.102	1.103	1.066	1.077	1.062
hippocampus – subiculum	persistent	baseline	1.014	0.989	1.055	1.043	1.004	1.010	0.967	1.009	1.022	1.003
hippocampus – ventral	persistent	baseline	0.862	0.903	0.911	0.872	0.833	0.884	0.855	0.940	0.925	0.928
hypothalamus – lateral	persistent	baseline	0.852	0.880	0.835	0.867	0.815	0.899	0.778	0.838	0.886	0.861
hypothalamus – medial	persistent	baseline	0.808	0.855	0.792	0.839	0.786	0.851	0.741	0.765	0.902	0.834
internal capsule	persistent	baseline	1.006	1.025	0.981	0.990	0.944	0.978	0.905	0.948	0.937	0.964
IPAC	persistent	baseline	0.941	1.007	0.955	0.985	0.930	0.978	0.945	0.971	0.961	0.963
medial geniculate	persistent	baseline	1.030	1.019	1.073	1.022	1.032	1.029	0.993	0.959	1.013	1.053
mesencephalic region	persistent	baseline	1.090	1.057	1.057	1.029	1.075	1.046	0.980	0.986	1.019	1.014
olfactory nuclei	persistent	baseline	1.170	1.241	1.288	1.197	1.195	1.225	1.099	1.104	1.184	1.049
olfactory tubercle	persistent	baseline	0.767	0.945	0.849	0.886	0.830	0.850	0.685	0.843	0.834	0.922
periaqueductal grey	persistent	baseline	1.189	1.059	1.106	1.151	1.150	1.162	1.047	1.033	1.047	1.040
pons	persistent	baseline	0.989	0.960	0.976	0.922	0.926	0.966	0.908	0.936	0.977	0.944

	raphe	persistent	baseline	1.091	1.021	1.031	1.026	1.088	1.012	0.926	0.939	0.976	0.964
	septum	persistent	baseline	1.019	1.077	1.027	0.996	1.029	1.044	0.934	0.929	0.966	0.943
	substantia innominata	persistent	baseline	0.876	0.913	0.878	0.903	0.846	0.923	0.812	0.888	0.877	0.903
	substantia nigra	persistent	baseline	0.929	0.910	0.888	0.889	0.889	0.894	0.828	0.843	0.880	0.864
	superior colliculus	persistent	baseline	1.205	1.108	1.153	1.211	1.176	1.196	1.207	1.186	1.177	1.205
	thalamus – dorsolateral	persistent	baseline	1.108	1.100	1.087	1.088	1.073	1.075	1.062	1.064	1.061	1.063
	thalamus – midline dorsal	persistent	baseline	1.134	1.152	1.124	1.144	1.137	1.095	1.078	1.087	1.153	1.066
	thalamus – ventromedial	persistent	baseline	1.041	1.054	1.052	1.096	1.064	1.071	0.991	1.005	1.099	1.052
	ventral pallidum	persistent	baseline	0.869	0.959	0.900	0.923	0.884	0.933	0.828	0.916	0.904	0.935
	ventral tegmental area	persistent	baseline	0.962	0.929	0.917	0.949	0.947	0.922	0.841	0.886	0.936	0.877
	zona incerta	persistent	baseline	1.001	1.012	0.987	1.003	0.962	1.006	0.925	1.005	1.025	0.985
	medulla	persistent	baseline	1.033	0.916	0.922	0.898	0.900	0.956	0.926	0.935	0.899	0.920
	cerebellum	persistent	baseline	0.929	0.849	0.885	0.903	0.981	0.888	0.955	0.880	0.937	0.928
	nucleus accumbens – core	persistent	day 7	1.066	1.083	1.039	1.148	1.060	1.065	1.042	1.035	1.024	1.046
	nucleus accumbens – shell	persistent	day 7	0.960	1.019	0.985	1.091	0.991	0.981	0.991	0.966	0.980	0.937
	amygdala	persistent	day 7	0.736	0.774	0.839	0.798	0.724	0.735	0.772	0.797	0.723	0.725
	nucleus stria terminalis	persistent	day 7	1.004	1.052	0.971	1.014	1.023	0.982	1.056	0.943	0.939	0.964
	caudate / putamen	persistent	day 7	1.145	1.123	1.091	1.124	1.103	1.097	1.020	1.107	1.133	1.168
	corpus collosum	persistent	day 7	1.153	1.125	1.119	1.151	1.127	1.122	1.056	1.078	1.105	1.109
	cortex – auditory	persistent	day 7	0.911	0.879	0.933	0.924	0.949	0.952	0.943	1.070	0.966	1.046
	cortex – cingulate	persistent	day 7	1.242	1.195	1.241	1.240	1.152	1.205	1.153	1.169	1.224	1.213
	cortex – entorhinal	persistent	day 7	0.788	0.808	0.868	0.840	0.763	0.805	0.862	0.905	0.805	0.865
	cortex – frontal association	persistent	day 7	1.173	1.201	1.240	1.200	1.175	1.180	1.228	1.134	1.211	1.098
	cortex – insular	persistent	day 7	0.956	1.034	0.979	1.027	1.031	0.989	1.008	1.071	0.994	0.981
	cortex – medial prefrontal	persistent	day 7	1.276	1.207	1.257	1.254	1.150	1.175	1.080	1.172	1.186	1.150
	cortex – motor	persistent	day 7	1.115	1.085	1.089	1.076	1.098	1.132	1.059	1.195	1.187	1.209
	cortex – orbitofrontal	persistent	day 7	1.220	1.267	1.254	1.298	1.236	1.193	1.148	1.217	1.218	1.159
	cortex – parietal association	persistent	day 7	0.993	0.903	0.973	0.933	1.036	0.995	0.968	1.090	1.063	1.073
	cortex – piriform	persistent	day 7	0.793	0.896	0.914	0.908	0.853	0.835	0.881	0.918	0.844	0.832
	cortex – retrosplenial	persistent	day 7	1.055	1.006	1.068	1.028	1.079	1.064	1.063	1.106	1.143	1.167
	cortex – somatosensory	persistent	day 7	1.043	1.006	1.018	1.021	1.071	1.070	1.004	1.131	1.088	1.181
	cortex – temporal association	persistent	day 7	0.859	0.819	0.890	0.928	0.846	0.891	0.846	1.069	0.865	0.966
	cortex – visual	persistent	day 7	0.983	0.833	0.940	0.921	0.967	0.950	0.920	1.086	1.001	1.103
	diagonal band	persistent	day 7	0.839	0.932	0.913	0.913	0.856	0.844	0.924	0.781	0.842	0.820
	globus pallidus	persistent	day 7	1.038	1.032	1.059	1.037	1.032	1.007	0.948	0.978	0.992	1.007
	hippocampus – anterodorsal	persistent	day 7	1.115	1.142	1.114	1.108	1.139	1.111	1.048	1.056	1.094	1.031
	hippocampus – posterior	persistent	day 7	1.059	1.040	1.028	1.070	1.034	1.030	1.041	1.037	0.977	0.988
	hippocampus – posterodorsal	persistent	day 7	1.114	1.104	1.093	1.113	1.121	1.109	1.095	1.069	1.061	1.054
	hippocampus – subiculum	persistent	day 7	1.025	0.992	1.013	1.050	0.999	1.010	1.047	1.015	0.974	0.967

hippocampus – ventral	persistent	day 7	0.890	0.890	0.902	0.926	0.830	0.875	0.894	0.961	0.859	0.888
hypothalamus – lateral	persistent	day 7	0.836	0.936	0.879	0.901	0.853	0.841	0.992	0.788	0.856	0.791
hypothalamus – medial	persistent	day 7	0.795	0.916	0.847	0.854	0.822	0.799	0.922	0.773	0.855	0.753
internal capsule	persistent	day 7	0.988	1.018	0.999	1.019	0.994	0.974	1.000	0.919	0.944	0.943
IPAC	persistent	day 7	0.968	0.984	1.029	1.015	0.946	0.962	0.903	0.974	0.956	0.943
medial geniculate	persistent	day 7	1.047	1.058	1.000	1.066	0.999	1.014	1.059	0.976	0.959	0.978
mesencephalic region	persistent	day 7	1.043	1.126	1.022	1.056	1.039	1.024	1.057	0.952	1.032	0.989
olfactory nuclei	persistent	day 7	1.183	1.191	1.229	1.340	1.230	1.140	1.131	1.080	1.206	1.094
olfactory tubercle	persistent	day 7	0.766	0.888	0.875	0.968	0.871	0.832	0.919	0.801	0.844	0.724
periaqueductal grey	persistent	day 7	1.147	1.222	1.101	1.108	1.132	1.128	1.133	0.985	1.100	1.057
pons	persistent	day 7	0.956	1.061	0.914	0.948	0.930	0.933	0.989	0.885	0.977	0.932
raphe	persistent	day 7	1.039	1.102	0.984	1.006	1.044	0.975	0.972	0.964	1.025	0.919
septum	persistent	day 7	1.088	1.066	0.991	1.052	1.022	1.020	0.981	0.947	0.977	0.949
substantia innominata	persistent	day 7	0.870	0.938	0.930	0.944	0.894	0.889	0.950	0.837	0.875	0.871
substantia nigra	persistent	day 7	0.887	0.994	0.904	0.927	0.849	0.876	0.975	0.840	0.842	0.827
superior colliculus	persistent	day 7	1.180	1.213	1.186	1.178	1.187	1.196	1.288	1.135	1.218	1.192
thalamus – dorsolateral	persistent	day 7	1.084	1.122	1.053	1.105	1.100	1.067	1.118	1.059	1.083	1.085
thalamus – midline dorsal	persistent	day 7	1.121	1.183	1.086	1.126	1.152	1.093	1.124	1.085	1.127	1.059
thalamus – ventromedial	persistent	day 7	1.038	1.155	0.997	1.083	1.067	0.996	1.043	1.053	1.090	0.929
ventral pallidum	persistent	day 7	0.877	0.937	0.946	0.989	0.912	0.907	0.921	0.890	0.928	0.876
ventral tegmental area	persistent	day 7	0.929	1.056	0.933	0.949	0.911	0.874	0.933	0.898	0.936	0.802
zona incerta	persistent	day 7	0.984	1.080	0.986	1.020	0.975	0.975	1.046	0.980	1.013	0.979
medulla	persistent	day 7	1.020	0.977	0.961	0.929	0.890	1.001	0.981	0.883	0.895	0.917
cerebellum	persistent	day 7	0.930	0.871	0.947	0.866	0.992	0.968	0.958	0.906	0.931	0.884
nucleus accumbens – core	persistent	day 14	1.084	1.125	1.089	1.054	1.013	1.077	1.002	1.001	1.015	1.025
nucleus accumbens – shell	persistent	day 14	1.020	1.068	1.050	0.957	0.891	0.996	0.928	0.909	0.926	0.916
amygdala	persistent	day 14	0.737	0.839	0.820	0.723	0.627	0.817	0.661	0.675	0.708	0.717
nucleus stria terminalis	persistent	day 14	1.013	1.073	1.008	0.988	0.987	1.026	0.961	0.999	1.004	0.943
caudate / putamen	persistent	day 14	1.118	1.168	1.133	1.130	1.125	1.163	1.067	1.099	1.103	1.126
corpus colosum	persistent	day 14	1.133	1.130	1.098	1.161	1.149	1.128	1.090	1.121	1.081	1.078
cortex – auditory	persistent	day 14	0.952	0.953	0.980	0.906	0.969	0.980	0.971	1.106	1.014	1.043
cortex – cingulate	persistent	day 14	1.169	1.238	1.122	1.281	1.191	1.190	1.090	1.135	1.172	1.163
cortex – entorhinal	persistent	day 14	0.770	0.868	0.887	0.784	0.727	0.864	0.753	0.771	0.799	0.796
cortex – frontal association	persistent	day 14	1.230	1.339	1.283	1.285	1.323	1.209	1.181	1.364	1.162	1.175
cortex – insular	persistent	day 14	1.016	1.106	1.039	0.933	0.990	1.065	0.930	1.090	0.886	1.011
cortex – medial prefrontal	persistent	day 14	1.189	1.265	1.114	1.312	1.249	1.201	1.162	1.149	1.137	1.136
cortex – motor	persistent	day 14	1.152	1.161	1.099	1.172	1.237	1.079	1.179	1.268	1.180	1.187
cortex – orbitofrontal	persistent	day 14	1.246	1.321	1.274	1.286	1.283	1.277	1.162	1.311	1.133	1.184
cortex – parietal association	persistent	day 14	1.069	0.947	0.995	0.980	1.081	0.915	1.074	1.156	1.127	1.131

nucleus accumbens – shell	pre-treated	baseline	0.985	1.032	0.990	0.992	0.957	0.900	0.963	0.899	0.969	0.795
amygdala	pre-treated	baseline	0.752	0.771	0.772	0.732	0.746	0.669	0.738	0.608	0.714	0.546
nucleus stria terminalis	pre-treated	baseline	0.971	1.017	0.888	1.017	0.911	0.937	1.001	0.928	0.970	0.775
caudate / putamen	pre-treated	baseline	1.067	1.060	1.105	1.025	1.091	1.110	1.028	1.013	0.955	0.935
corpus collosum	pre-treated	baseline	1.137	1.136	1.140	1.117	1.120	1.179	1.132	1.140	1.077	1.147
cortex – auditory	pre-treated	baseline	1.060	1.083	1.045	0.929	0.871	1.055	1.060	0.998	0.924	1.020
cortex – cingulate	pre-treated	baseline	1.132	1.170	1.176	1.140	1.192	1.187	1.134	1.215	1.103	1.181
cortex – entorhinal	pre-treated	baseline	0.811	0.833	0.845	0.769	0.754	0.779	0.850	0.724	0.729	0.737
cortex – frontal association	pre-treated	baseline	1.283	1.252	1.193	1.215	1.295	1.379	1.231	1.284	1.168	1.102
cortex – insular	pre-treated	baseline	1.095	1.157	1.049	1.006	1.019	1.077	1.056	1.015	0.903	0.809
cortex – medial prefrontal	pre-treated	baseline	1.108	1.084	1.063	1.049	1.123	1.146	1.114	1.100	1.050	1.041
cortex – motor	pre-treated	baseline	1.218	1.229	1.191	1.198	1.224	1.308	1.233	1.272	1.154	1.221
cortex – orbitofrontal	pre-treated	baseline	1.231	1.246	1.163	1.148	1.157	1.228	1.209	1.159	1.119	0.913
cortex – parietal association	pre-treated	baseline	1.154	1.138	1.060	1.113	1.066	1.181	1.180	1.176	1.171	1.253
cortex – piriform	pre-treated	baseline	0.924	1.062	0.904	0.868	0.794	0.811	0.915	0.746	0.787	0.638
cortex – retrosplenial	pre-treated	baseline	1.004	1.094	1.062	1.071	1.133	1.085	1.190	1.275	1.271	1.514
cortex – somatosensory	pre-treated	baseline	1.206	1.192	1.106	1.141	1.105	1.227	1.182	1.152	1.104	1.145
cortex – temporal association	pre-treated	baseline	0.898	0.877	0.904	0.810	0.762	0.872	0.990	0.852	0.918	0.910
cortex – visual	pre-treated	baseline	0.998	0.919	0.994	0.997	0.957	1.061	1.054	1.014	1.177	1.144
diagonal band	pre-treated	baseline	0.839	0.909	0.825	0.880	0.790	0.771	0.769	0.752	0.791	0.775
globus pallidus	pre-treated	baseline	0.952	0.910	0.942	0.976	0.978	0.983	0.874	0.929	0.930	0.798
hippocampus – anterodorsal	pre-treated	baseline	1.102	1.114	1.124	1.147	1.123	1.167	1.130	1.156	1.107	1.258
hippocampus – posterior	pre-treated	baseline	1.103	1.211	1.119	1.126	1.062	1.184	1.169	1.093	0.986	1.208
hippocampus – posterodorsal	pre-treated	baseline	1.164	1.213	1.163	1.186	1.127	1.183	1.176	1.151	1.147	1.234
hippocampus – subiculum	pre-treated	baseline	1.100	1.069	1.078	1.074	1.036	1.096	1.093	1.059	1.018	1.141
hippocampus – ventral	pre-treated	baseline	0.949	0.908	0.998	0.917	0.955	0.959	0.918	0.822	0.816	0.875
hypothalamus – lateral	pre-treated	baseline	0.815	0.817	0.752	0.842	0.767	0.730	0.813	0.748	0.837	0.692
hypothalamus – medial	pre-treated	baseline	0.786	0.873	0.776	0.867	0.787	0.746	0.859	0.710	0.832	0.686
internal capsule	pre-treated	baseline	0.964	0.940	0.960	0.984	0.977	0.963	0.894	0.926	0.848	0.915
IPAC	pre-treated	baseline	0.898	0.949	0.918	0.944	0.890	0.921	0.903	0.838	0.782	0.727
medial geniculate	pre-treated	baseline	1.010	1.081	1.032	1.027	0.973	1.048	1.011	1.017	0.955	1.079
mesencephalic region	pre-treated	baseline	0.990	0.974	1.048	1.051	1.052	1.008	0.974	1.029	0.913	1.025
olfactory nuclei	pre-treated	baseline	1.183	1.285	1.130	1.181	1.123	1.138	1.187	1.059	1.119	0.857
olfactory tubercle	pre-treated	baseline	0.882	0.944	0.837	0.854	0.759	0.705	0.857	0.789	0.808	0.719
periaqueductal grey	pre-treated	baseline	1.045	1.061	1.126	1.134	1.161	0.998	1.008	1.149	1.124	1.172
pons	pre-treated	baseline	0.935	0.892	0.932	0.990	0.991	0.955	0.886	0.935	0.865	0.910
raphe	pre-treated	baseline	0.948	0.988	1.027	1.021	1.027	1.084	0.916	0.961	0.967	0.983
septum	pre-treated	baseline	0.929	1.053	0.966	0.987	0.976	1.029	0.994	0.963	0.981	0.854
substantia innominata	pre-treated	baseline	0.852	0.859	0.784	0.880	0.783	0.783	0.828	0.796	0.888	0.664

substantia nigra	pre-treated	baseline	0.874	0.826	0.816	0.885	0.873	0.855	0.852	0.809	0.872	0.837
superior colliculus	pre-treated	baseline	1.199	1.144	1.163	1.260	1.221	1.110	1.207	1.380	1.318	1.445
thalamus – dorsolateral	pre-treated	baseline	1.082	1.052	1.062	1.070	1.107	1.101	1.007	1.106	1.026	1.113
thalamus – midline dorsal	pre-treated	baseline	1.061	1.053	1.118	1.081	1.182	1.120	1.045	1.147	1.091	1.043
thalamus – ventromedial	pre-treated	baseline	0.987	1.028	0.953	1.035	1.043	0.956	1.007	1.028	1.066	0.828
ventral pallidum	pre-treated	baseline	0.889	0.909	0.873	0.905	0.805	0.794	0.868	0.830	0.806	0.728
ventral tegmental area	pre-treated	baseline	0.884	0.865	0.874	0.939	0.884	0.930	0.934	0.795	0.917	0.706
zona incerta	pre-treated	baseline	1.005	0.914	0.975	0.915	0.986	0.957	0.883	0.946	0.915	0.929
medulla	pre-treated	baseline	0.847	0.730	0.912	0.834	0.938	0.835	0.787	0.906	0.881	0.883
cerebellum	pre-treated	baseline	0.843	0.841	0.895	0.921	0.943	0.833	0.879	0.952	1.053	1.033
nucleus accumbens – core	pre-treated	day 7	1.066	1.144	1.055	1.059	1.100	1.087	1.076	1.055	1.012	1.024
nucleus accumbens – shell	pre-treated	day 7	1.009	1.081	0.949	1.015	1.050	0.991	0.994	0.986	0.953	0.967
amygdala	pre-treated	day 7	0.773	0.818	0.641	0.836	0.797	0.820	0.768	0.757	0.727	0.773
nucleus stria terminalis	pre-treated	day 7	0.974	1.011	0.942	0.968	0.938	0.966	0.977	1.047	0.888	1.052
caudate / putamen	pre-treated	day 7	1.081	1.094	1.076	1.100	1.139	1.123	1.067	1.082	1.103	1.074
corpus colosum	pre-treated	day 7	1.137	1.143	1.147	1.121	1.153	1.145	1.125	1.126	1.068	1.103
cortex – auditory	pre-treated	day 7	1.007	0.990	1.081	1.090	0.906	1.049	1.067	0.942	1.060	0.941
cortex – cingulate	pre-treated	day 7	1.185	1.274	1.089	1.139	1.240	1.227	1.119	1.181	1.130	1.132
cortex – entorhinal	pre-treated	day 7	0.889	0.896	0.748	0.904	0.836	0.881	0.812	0.786	0.819	0.793
cortex – frontal association	pre-treated	day 7	1.300	1.179	1.253	1.259	1.230	1.233	1.222	1.289	1.317	1.248
cortex – insular	pre-treated	day 7	1.101	1.002	1.027	0.973	0.997	1.079	1.125	1.095	1.019	1.047
cortex – medial prefrontal	pre-treated	day 7	1.132	1.168	1.100	1.149	1.143	1.181	1.138	1.102	1.134	1.157
cortex – motor	pre-treated	day 7	1.206	1.162	1.258	1.174	1.155	1.192	1.200	1.199	1.224	1.201
cortex – orbitofrontal	pre-treated	day 7	1.261	1.203	1.225	1.269	1.251	1.219	1.240	1.267	1.288	1.224
cortex – parietal association	pre-treated	day 7	1.119	1.063	1.187	1.122	1.028	1.141	1.149	1.048	1.135	1.062
cortex – piriform	pre-treated	day 7	0.932	0.914	0.786	0.905	0.834	0.897	0.921	0.892	0.883	0.895
cortex – retrosplenial	pre-treated	day 7	1.063	1.064	1.152	1.036	0.959	1.038	1.065	1.043	1.117	1.164
cortex – somatosensory	pre-treated	day 7	1.123	1.070	1.205	1.090	1.089	1.137	1.177	1.110	1.144	1.090
cortex – temporal association	pre-treated	day 7	0.938	0.913	0.900	1.013	0.841	1.001	0.941	0.834	0.979	0.861
cortex – visual	pre-treated	day 7	1.022	0.990	1.043	1.106	0.963	1.090	1.046	0.897	1.098	1.009
diagonal band	pre-treated	day 7	0.865	0.913	0.809	0.860	0.860	0.828	0.835	0.852	0.742	0.842
globus pallidus	pre-treated	day 7	0.961	0.908	0.888	0.965	1.007	0.987	0.927	1.006	0.898	0.980
hippocampus – anterodorsal	pre-treated	day 7	1.067	1.113	1.126	1.037	1.095	1.096	1.061	1.099	1.063	1.083
hippocampus – posterior	pre-treated	day 7	1.088	1.147	1.103	1.118	1.130	1.122	1.095	1.153	1.028	1.055
hippocampus – posterodorsal	pre-treated	day 7	1.147	1.132	1.189	1.126	1.166	1.133	1.131	1.129	1.077	1.127
hippocampus – subiculum	pre-treated	day 7	1.122	1.101	1.031	1.085	1.098	1.110	1.068	1.080	0.957	1.062
hippocampus – ventral	pre-treated	day 7	0.970	0.968	0.871	1.022	0.966	0.951	0.927	0.921	0.863	0.923
hypothalamus – lateral	pre-treated	day 7	0.836	0.824	0.709	0.859	0.819	0.822	0.800	0.844	0.746	0.858
hypothalamus – medial	pre-treated	day 7	0.808	0.784	0.756	0.843	0.823	0.770	0.780	0.835	0.699	0.834

internal capsule	pre-treated	day 7	0.925	0.925	0.912	0.950	0.970	0.941	0.900	0.996	0.852	0.988
IPAC	pre-treated	day 7	0.934	0.962	0.917	1.022	1.019	0.992	0.938	0.930	0.905	0.961
medial geniculate	pre-treated	day 7	0.972	0.968	1.041	1.021	1.051	1.016	0.968	1.056	0.942	1.004
mesencephalic region	pre-treated	day 7	0.998	0.998	0.980	0.943	1.024	0.960	0.989	1.028	0.931	0.997
olfactory nuclei	pre-treated	day 7	1.216	1.131	1.196	1.195	1.231	1.086	1.160	1.179	1.210	1.169
olfactory tubercle	pre-treated	day 7	0.884	0.891	0.729	0.887	0.840	0.810	0.841	0.857	0.797	0.841
periaqueductal grey	pre-treated	day 7	0.980	1.086	1.125	1.019	1.129	1.052	1.018	1.120	1.022	1.074
pons	pre-treated	day 7	0.968	0.919	0.930	0.916	0.958	0.853	0.983	1.058	0.902	0.978
raphe	pre-treated	day 7	0.951	0.927	1.000	0.908	0.975	0.924	0.969	1.029	0.904	1.003
septum	pre-treated	day 7	0.945	0.960	0.973	0.948	0.906	0.921	0.948	1.037	0.933	1.059
substantia innominata	pre-treated	day 7	0.892	0.854	0.802	0.910	0.902	0.867	0.857	0.902	0.794	0.918
substantia nigra	pre-treated	day 7	0.837	0.807	0.737	0.837	0.865	0.849	0.843	0.882	0.739	0.861
superior colliculus	pre-treated	day 7	1.217	1.172	1.265	1.149	1.178	1.153	1.254	1.228	1.133	1.236
thalamus – dorsolateral	pre-treated	day 7	1.051	1.072	1.068	1.033	1.075	1.042	1.037	1.115	1.013	1.066
thalamus – midline dorsal	pre-treated	day 7	0.999	1.119	1.085	1.002	1.086	1.034	1.008	1.182	1.063	1.133
thalamus – ventromedial	pre-treated	day 7	1.068	0.952	0.990	1.033	0.959	0.968	1.033	1.088	0.944	1.041
ventral pallidum	pre-treated	day 7	0.928	0.918	0.823	0.965	0.951	0.891	0.876	0.898	0.851	0.914
ventral tegmental area	pre-treated	day 7	0.895	0.747	0.796	0.849	0.842	0.826	0.915	0.914	0.768	0.871
zona incerta	pre-treated	day 7	1.012	0.982	0.874	0.961	0.954	0.964	0.904	0.951	0.896	0.970
medulla	pre-treated	day 7	0.873	0.929	0.857	0.869	0.974	0.878	0.860	0.882	0.917	0.862
cerebellum	pre-treated	day 7	0.849	0.874	0.931	0.865	0.872	0.864	0.845	0.853	0.993	0.901

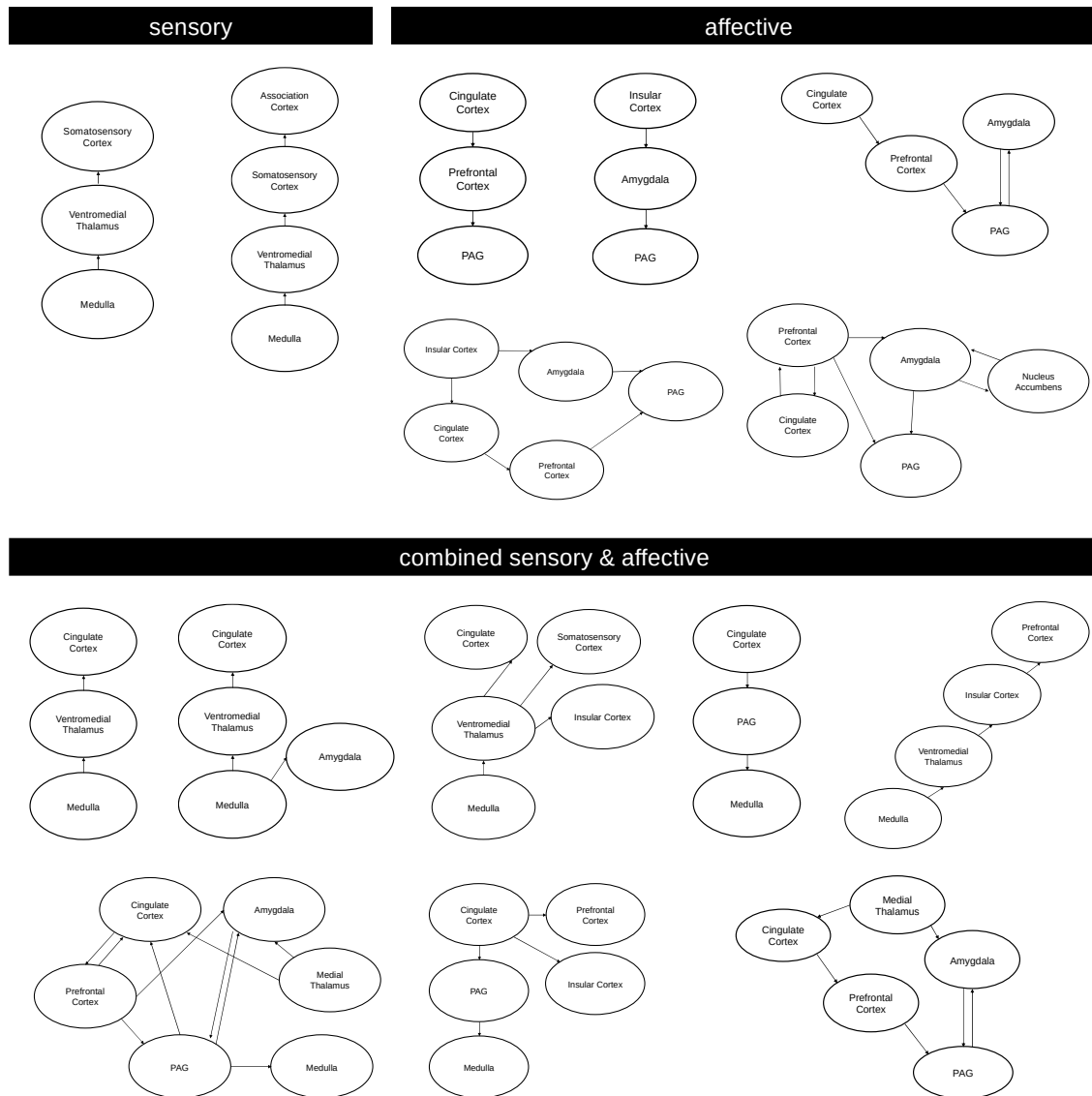


Fig. S1. Fifteen known and anatomically correct circuits were fit to ^{18}F -FDG uptake data by structural equation modeling that were comprised of brain regions associated with sensory function only, affective function only, or a combination of sensory and affective brain regions.

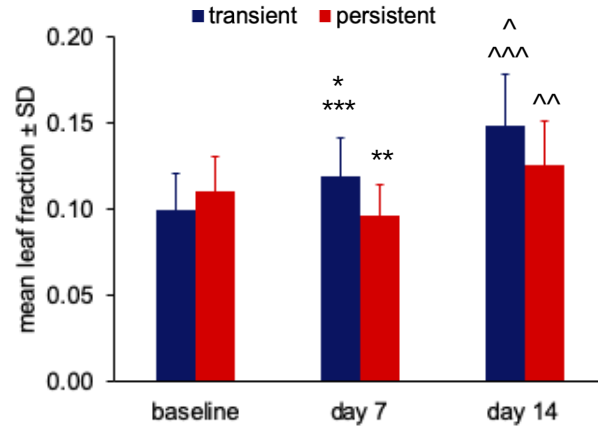


Fig. S2. Minimum spanning trees (MSTs) were calculated to assess each network in its most simplified form. MSTs are insensitive to alterations in connection strength that are observed between the persistent and transient pain groups at day 14. Leaf fraction, which is the fraction of nodes within the MST with a degree of one and is inversely related to clustering coefficient, increases from baseline at days 7 ($F_{1,1}=27.74$, $*p=0.0002$, by two-way repeated measures ANOVA) and 14 ($^{\wedge}p<0.0001$) for the transiently painful group. Leaf fraction decreases from baseline at day 7 ($**p=0.02$) and increases at day 14 ($^{\wedge\wedge}p=0.02$) for the persistently painful group. The transient and persistent pain groups differ at both days 7 ($***p<0.0001$) and 14 ($^{\wedge\wedge\wedge}p<0.0001$).