

Supplement SA

Age correlation to tract measurements captured between regions. Only those tracts detected in at least 80% of the subject population were considered.

Start ROI	End ROI	Measurement	Pearson Coefficient*	df
brain stem	left insula white matter	meanFA	0.670423548	533
left precentral grey matter	left precentral white matter	stddevFA	0.668884386	535
right precentral grey matter	right precentral white matter	stddevFA	0.664163769	540
brain stem	left superior frontal grey matter	meanFA	0.655857093	538
brain stem	left superior frontal white matter	meanFA	0.654335889	539
brain stem	left ventral diencephalon	meanFA	0.653027369	540
left ventral diencephalon	left insula white matter	meanFA	0.652088134	540
brain stem	left precentral white matter	meanFA	0.651719594	540
left ventral diencephalon	left precentral white matter	meanFA	0.651450688	540
brain stem	right pallidum	meanFA	0.649856364	540
left rostral middle frontal grey matter	left rostral middle frontal white matter	stddevFA	0.647902868	539
left thalamus proper	brain stem	meanFA	0.645711539	538
left postcentral grey matter	left postcentral white matter	stddevFA	0.644327263	540
right putamen	right insula white matter	meanFA	0.643973341	541
right putamen	right pallidum	meanFA	0.64363285	541
left caudal middle frontal grey matter	left precentral grey matter	stddevFA	0.64279635	539
right postcentral grey matter	right postcentral white matter	stddevFA	0.639480964	540
left pars opercularis grey matter	left pars opercularis white matter	stddevFA	0.638633399	540
brain stem	right ventral diencephalon	meanFA	0.638076686	540
left thalamus proper	left ventral diencephalon	meanFA	0.63645101	538
right pallidum	right insula white matter	meanFA	0.633651734	541
brain stem	right insula white matter	meanFA	0.633155954	540
right pallidum	right ventral diencephalon	meanFA	0.632460591	541
right rostral middle frontal grey matter	right rostral middle frontal white matter	stddevFA	0.632028345	540
left ventral diencephalon	left superior frontal grey matter	meanFA	0.630452243	539
left ventral diencephalon	left precentral grey matter	meanFA	0.630434096	539
left caudal middle frontal grey matter	left precentral white matter	stddevFA	0.630424903	539
left ventral diencephalon	left superior frontal white matter	meanFA	0.628132067	540
right supramarginal grey matter	right supramarginal white matter	stddevFA	0.625935208	540
left thalamus proper	left insula white matter	meanFA	0.624773751	538
left superior temporal grey matter	left supramarginal white matter	stddevFA	0.62455858	539
brain stem	left precentral grey matter	meanFA	0.624034428	540
brain stem	right superior frontal white matter	meanFA	0.623359821	540
brain stem	right putamen	meanFA	0.62220441	540

right putamen	right lateral orbitofrontal white matter	meanFA	0.620776887	541
left supramarginal grey matter	left postcentral white matter	stddevFA	0.619061188	539
left thalamus proper	left precentral white matter	meanFA	0.618756442	538
left pars opercularis grey matter	left rostral middle frontal white matter	stddevFA	0.618046719	539
left insula grey matter	left insula white matter	stddevFA	0.617651655	540
left rostral middle frontal white matter	left insula white matter	meanFA	0.617612639	540
brain stem	right thalamus proper	meanFA	0.617361797	540
right supramarginal grey matter	right postcentral white matter	stddevFA	0.616969449	540
brain stem	right precentral white matter	meanFA	0.616306705	540
left superior frontal grey matter	left superior frontal white matter	stddevFA	0.616196499	540
brain stem	right superior frontal grey matter	meanFA	0.615624121	539
right postcentral white matter	right supramarginal white matter	stddevFA	0.615326691	540
right putamen	right ventral diencephalon	meanFA	0.615223476	541
right postcentral white matter	right precentral white matter	stddevFA	0.615182868	540
right lateral orbitofrontal white matter	right insula white matter	meanFA	0.614745235	540
right ventral diencephalon	right precentral white matter	meanFA	0.614730772	541
left precentral grey matter	left precentral white matter	stddevFA	0.613734927	539
brain stem	right pars triangularis white matter	meanFA	0.613240244	525
left supramarginal grey matter	left supramarginal white matter	stddevFA	0.613100619	539
left pars opercularis grey matter	left precentral grey matter	stddevFA	0.612398617	539
right thalamus proper	right precentral white matter	meanFA	0.611652056	541
right inferior parietal white matter	right supramarginal white matter	stddevFA	0.610817171	540
left caudal middle frontal grey matter	left caudal middle frontal white matter	stddevFA	0.609591628	539
brain stem	left pars triangularis white matter	meanFA	0.609518652	529
left putamen	left insula white matter	meanFA	0.608052102	540
left pars opercularis grey matter	left precentral white matter	stddevFA	0.607514189	539
right inferior parietal grey matter	right supramarginal white matter	stddevFA	0.607226171	540
left middle temporal grey matter	left middle temporal white matter	stddevFA	0.606667655	540
left superior temporal grey matter	left insula white matter	stddevFA	0.606357015	539
right ventral diencephalon	right insula white matter	meanFA	0.606269383	541
left pars triangularis white matter	left insula white matter	meanFA	0.606190013	539
right ventral diencephalon	right precentral grey matter	meanFA	0.605257879	541
brain stem	left caudal middle frontal white matter	meanFA	0.605234581	531
left pars opercularis grey matter	left caudal middle frontal white matter	stddevFA	0.604770775	540
right ventral diencephalon	left superior frontal white matter	meanFA	0.60468003	528
left pallidum	brain stem	meanFA	0.603889944	539
right inferior parietal grey matter	right inferior parietal white matter	stddevFA	0.603883513	540
left hippocampus	left ventral diencephalon	stddevFA	0.603840292	539
right thalamus proper	right ventral diencephalon	meanFA	0.603687883	541
right superior frontal grey matter	right superior frontal white matter	stddevFA	0.603592785	540
right superior temporal grey matter	right supramarginal grey matter	stddevFA	0.602264732	540

left caudal middle frontal grey matter	left caudal middle frontal white matter	stddevFA	0.601058093	539
right insula grey matter	right insula white matter	stddevFA	0.600757491	540
brain stem	left rostral middle frontal white matter	meanFA	0.600227352	536
left pars triangularis white matter	left insula white matter	stddevFA	0.599955506	539
right rostral middle frontal white matter	right insula white matter	meanFA	0.599869253	540
right superior parietal grey matter	right superior parietal white matter	stddevADC	0.59973895	540
right ventral diencephalon	left superior frontal grey matter	meanFA	0.599656326	519
left pallidum	left insula white matter	meanFA	0.599161399	539
right paracentral white matter	right precentral white matter	meanFA	0.599095285	539
left lateral orbitofrontal white matter	left insula white matter	meanFA	0.598891382	540
left postcentral white matter	left precentral white matter	stddevFA	0.59863674	539
right supramarginal grey matter	right inferior parietal white matter	stddevFA	0.598253533	540
left pars opercularis grey matter	left insula white matter	stddevFA	0.598251044	540
left superior temporal grey matter	left superior temporal white matter	stddevFA	0.598090652	539
brain stem	right precentral grey matter	meanFA	0.595872434	540
right precentral grey matter	right postcentral white matter	stddevFA	0.595583831	540
left posterior cingulate white matter	left precentral white matter	meanFA	0.593796063	539
left pars triangularis white matter	left rostral middle frontal white matter	stddevFA	0.593526726	539
right lateral orbitofrontal grey matter	right lateral orbitofrontal white matter	stddevFA	0.59302613	540
right precentral grey matter	right precentral white matter	stddevFA	0.592589503	540
right precentral grey matter	right caudal middle frontal white matter	stddevFA	0.5920826	540
left caudal middle frontal white matter	left pars opercularis white matter	stddevFA	0.591621978	539
left middle temporal grey matter	left banks of superior temporal sulcus white matter	stddevFA	0.590606768	540
left pallidum	left ventral diencephalon	meanFA	0.590002318	539
left postcentral grey matter	left precentral white matter	stddevFA	0.589773243	540
right thalamus proper	right precentral grey matter	meanFA	0.589631323	540
left inferior parietal grey matter	left inferior parietal white matter	stddevFA	0.589454719	540
left precentral grey matter	left pars opercularis white matter	stddevFA	0.588599451	539
left pars triangularis grey matter	left pars triangularis white matter	stddevFA	0.588371974	540
left thalamus proper	left precentral grey matter	meanFA	0.588104778	538
left pars opercularis white matter	left precentral white matter	stddevFA	0.588024457	538
brain stem	right rostral middle frontal white matter	meanFA	0.587875652	540
right ventral diencephalon	right superior frontal white matter	meanFA	0.587500902	541
left caudal middle frontal grey matter	left pars opercularis white matter	stddevFA	0.586617098	539
brain stem	left lateral orbitofrontal white matter	meanFA	0.58638332	529
left insula grey matter	left superior temporal white matter	stddevFA	0.586207342	540
right precentral grey matter	right precentral white matter	meanFA	0.58572363	540
left lateral orbitofrontal white matter	left insula white matter	stddevFA	0.585268741	540
left caudal middle frontal grey matter	left rostral middle frontal grey matter	stddevFA	0.585095421	539
brain stem	left ventral diencephalon	stddevFA	0.584734799	540
left precentral white matter	left insula white matter	meanFA	0.583974979	539

left middle temporal grey matter	left inferior parietal white matter	stddevFA	0.583890104	540
right lateral orbitofrontal grey matter	right insula white matter	meanFA	0.583799959	540
right ventral diencephalon	right pars triangularis white matter	meanFA	0.583586359	531
right inferior parietal grey matter	right inferior parietal white matter	stddevADC	0.582778947	540
left precentral grey matter	left precentral white matter	meanFA	0.582208897	541
left precentral grey matter	left caudal middle frontal white matter	stddevFA	0.582167579	540
right lateral orbitofrontal white matter	right rostral middle frontal white matter	stddevFA	0.582158155	540
right postcentral grey matter	right precentral white matter	stddevFA	0.581903406	540
right pars opercularis grey matter	right precentral white matter	stddevFA	0.581903393	540
right middle temporal grey matter	right inferior parietal white matter	stddevFA	0.58145295	540
left pars opercularis white matter	left rostral middle frontal white matter	stddevFA	0.580964883	538
right inferior parietal grey matter	right lateral occipital grey matter	stddevADC	0.580796153	540
left caudal middle frontal grey matter	left rostral middle frontal white matter	stddevFA	0.580317869	539
left inferior parietal white matter	left supramarginal white matter	stddevFA	0.580098556	539
left caudal middle frontal grey matter	left pars opercularis grey matter	stddevFA	0.579915719	539
left banks of superior temporal sulcus white matter	left suprior temporal white matter	stddevFA	0.579780554	539
left putamen	left pallidum	meanFA	0.579522145	539
brain stem	left postcentral grey matter	meanFA	0.579444252	535
left ventral diencephalon	left postcentral grey matter	meanFA	0.578891008	534
left superior temporal grey matter	left banks of superior temporal sulcus white matter	stddevFA	0.578603374	539
left putamen	brain stem	meanFA	0.578588319	539
brain stem	right caudal middle frontal white matter	meanFA	0.57824854	531
right putamen	right insula white matter	stddevFA	0.578030209	541

FA, Fractional Anisotropy; ADC, Apparent Diffusion Coefficient; stddev, Standard Deviation; ROI, Region of Interest; df, degrees of freedom

*p-value < 0.001