Extended Data Table 3 | Salience Network nodes and homologs in mice

AAL3 region (Rolls et al., 2020)	MNI coordinate (x, y, z)	Human region	Function	Closest Allen Mouse Brain Atlas homolog (functional not anatomical)	|BR| > 2 during PLSC analysis (Sundown)	Cluster 1 Region	References used for cross-species mapping
ACC_sup_L	(-0.2, 30.35, 27.22)	Anterior cingulate cortex, supracallosal	1. Emotional regulation 2. Control of voluntary movement, particularly those requiring coordination and planning and/or action selecion 3. Goal-oriented reward evaluation 4. Attentional switching between internal and external information 5. Processing aversive or conflicting stimuli	**Prelimbic (PL)**	**Yes**	**Yes**	Tsai et al., 2020; PMID: 32981657; DOI: 10.1016/j.biopsych.2020.06.023 Sforazzini et al., 2014; PMID: 26706448; DOI: 10.1016/j.neuroimage.2015.12.017 Menon et al., 2023; PMID: 36797303; DOI: 10.1038/s41467-023-36616-8 Mandino et al., 2022; PMID: 34650202; DOI: 10.1038/s41380-021-01298-5 van Heukelum et al., 2020; PMID: 32353333; DOI: 10.1016/j.tins.2020.03.007 van Hout et al., 2024; PMID: 38739155; DOI: 10.1007/s00429-024-02773-9 Schaeffer et al., 2020; PMID: 32817555; DOI: 10.1073/pnas.2003181117 Carlén, 2017; PMID: 29074767; DOI: 10.1126/science.aan8868 Wang et al., 2020; PMID: 32386544; DOI: 10.1016/j.cell.2020.04.007 Barthas & Kwan, 2017; PMI: 28012708; DOI: 10.1016/j.tins.2016.11.006 Van De Werd & Uylings, 2014; PMID: 24072162; DOI: 10.1007/s00429-013-0630-7 Laubach et al., 2018; PMID: 30406193; DOI: 10.1523/ENEURO.0315-18.2018 van Hout et al., 2024; PMID: 38739155; DOI:10.1007/s00429-024-02773-9
ACC_sup_R	(10.26, 22.06, 27.48)			**Anterior cingulate area (ACA)**	**Yes**	**Yes**	
ACC (Area_anterior_32_prime_L in HCP atlas, Glasser et al., 2016; undefined in Rolls et al., 2020)	(-10.76, 25.99, 24.54)	Anterior cingulate cortex					
Cingulate_Mid_R	(10.51, -38.54, 50.02)	Middle cingulate & paracingulate gyri					
Cingulate_Mid_R	(5.23, 23.22, 37.03)						
Frontal_Sup_2_L	(-27.5, 52.04, 21.28)	Superior frontal gyrus, dorsolateral **No direct homologs, this is considered a primate specialization*	1. Support flexible multitasking 2. Working memory 2. Attentional biasing toward relevant task-related information 3. Prospective memory and planning 4. Abstract rule representation	**Secondary motor area (MOs)**	**Yes**	**Yes**	
Frontal_Sup_2_R	(31.07, 55.71, 14.49)			**Prelimbic (PL)**	**Yes**	**Yes**	
Frontal_Mid_2_L	(-39.12, 50.79, 17.38)	Middle frontal gyrus *No direct homologs, this is considered a primate specialization					
Frontal_Mid_2_R	(26.07, 49.56, 26.58)			**Anterior cingulate area (ACA)**	**Yes**	**Yes**	
Frontal_Mid_2_R	(31.24, 32.79, 26.39)						
Frontal_Inf_Orb_2_R	(36.89, 32.35, -2.24)	The orbital part of inferior frontal gyrus	1. Semantic processing 2. Conflict monitoring and impulse inhibition 3. Social cognition 4. Reversal learning	Orbital area (ORB)	Not analyzed	No	
Frontal_Inf_Tri_R	(47.6, 22.16, 9.74)	Inferior frontal gyrus, triangular part					
Insula_L	(-35.44, 20.03, 0.07)	Insula **The anterior insula is much expanded in humans*	1. Integrating sensory information with emotions to create subjective affective states 2. Integrating internal and external stimuli to guide behavior	Agranular insula area (AI)	Trending (–1.77)	No	
Insula_R	(35.91, 21.91, 2.62)						
Insula_R	(33.56, 16.45, -7.58)						
SupraMarginal_R	(55.27, -44.59, 36.7)	Supramarginal gyrus (part of inferior parietal lobe) *No direct homologs, this is considered a primate specialization	1. Language processing 2. Auditory perception 3. Spatial awareness 4. Multisensory integration	Posterior parietal association areas (PTLp)	No	**Yes**	
				Restrosplenial Area (RSP; has been categorized as both DMN and SN)	**Yes**	**Yes**	
				Secondary somatosensory cortex (SSs)	**Yes**	**Yes**	
Precentral_R	(42.05, -0.39, 47.1)	Precentral gyrus	1. Motor initiation	**Primary motor area (MOp)**	**Yes**	**Yes**	
Supp_Motor_Area_L	(-0.94, 14.86, 43.99)	Supplementary motor area	1. Motor planning & sequencing	**Secondary motor area (MOs)**	**Yes**	**Yes**	