

Supplemental data for

Dysbindin-associated proteome in the synaptosome of mouse brain

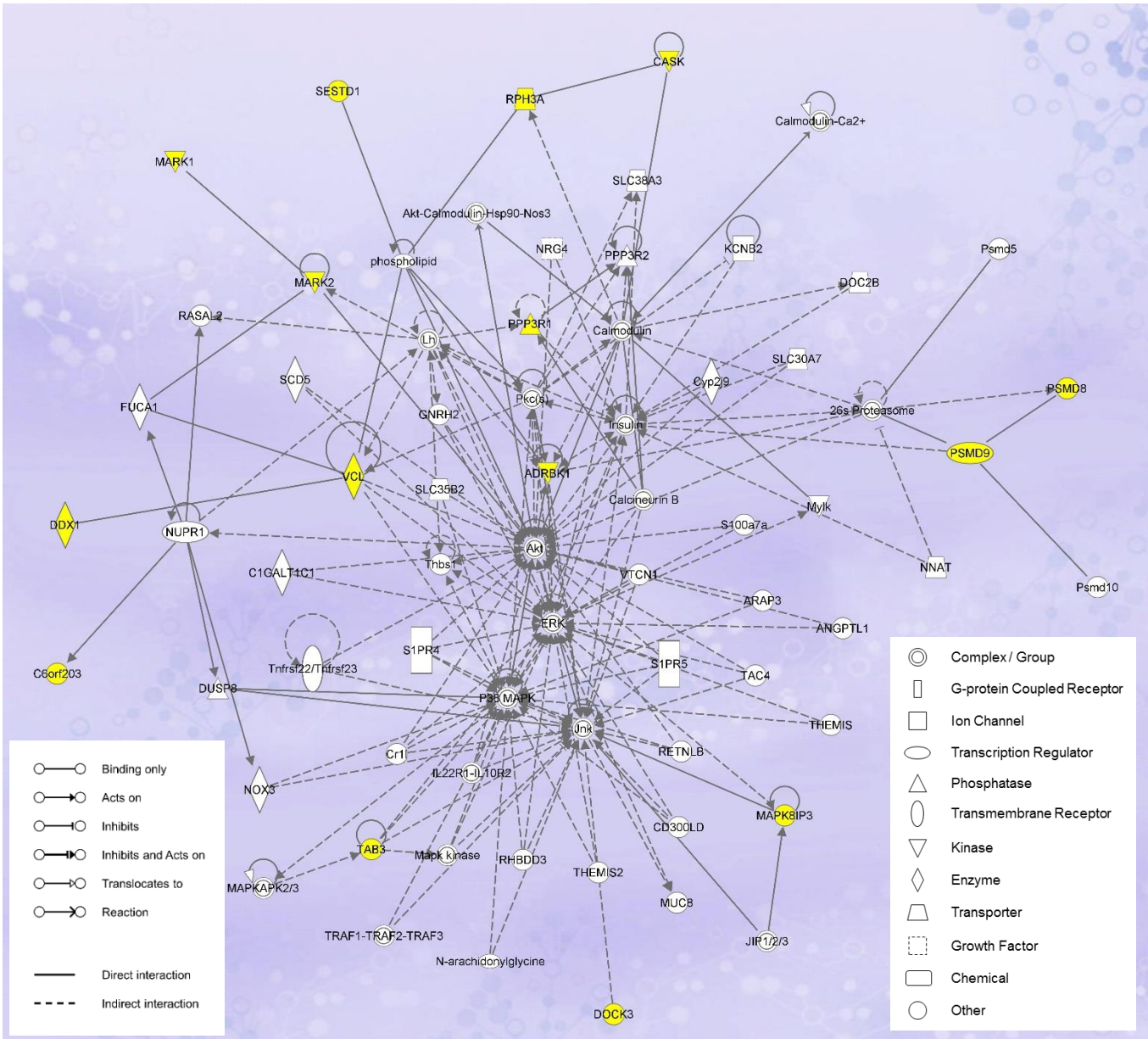
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FIGURE LEGENDS

Supplemental Fig. S1. The second network (Cell-mediated Immune Response, Cellular Development, Cellular Function and Maintenance) identified by Ingenuity Pathway analysis of the 48 identified proteins. Colored nodes indicate the identified proteins used in the pathway analysis.

Supplemental Table S1. The 47 putative dysbindin-associated proteins were grouped into seven categories with regard to their functions based on the information from UniProt, NCBI and/or Gene Ontology databases.



Function	#	Protein name	Gene symbol (Hu, M)
Trafficking/transport	1	SNARE-associated protein Snapin	BLOC1S7, Bloc1s7
	2	Protein Muted	BLOC1S5, Bloc1s5
	3	Protein cappuccino	BLOC1S4, Bloc1s4
	4	Biogenesis of lysosome-related organelles complex 1 subunit 1	BLOC1S1, Bloc1s1
	5	Biogenesis of lysosome-related organelles complex 1 subunit 2	BLOC1S2, Bloc1s2
	6	Biogenesis of lysosome-related organelles complex 1 subunit 3	BLOC1S3, Bloc1s3
	7	Pallidin	BLOC1S6, Bloc1s6
	8	AP-3 complex subunit beta-1	AP3B1, Ap3b1
	9	Exocyst complex component 3	EXOC3, Exoc3
	10	Exocyst complex component 4	EXOC4, Exoc4
	11	Calnexin	CANX, Canx
	12	Vacuolar protein sorting-associated protein 16 homolog	VPS16, Vps16
	13	Syntaxin-1B	STX1B, Stx1b
	14	Carbonic anhydrase 2	CA2, Ca2
	15	Rabphilin-3A	RPH3A, Rph3a
	16	Peripheral plasma membrane protein CASK	CASK, Cask
	17	Neurobeachin	NBEA, Nbea
	18	SEC14 domain and spectrin repeat-containing protein 1	SESTD1, Sestd1
	19	V-type proton ATPase subunit D	ATP6V1D, Atp6v1d
	20	ATP synthase subunit f, mitochondrial	ATP5J2, Atp5j2
	21	C-Jun-amino-terminal kinase-interacting protein 3	MAPK8IP3, Mapk8ip3
	22	Dynamin-3	DNM3, Dnm3
	23	Protein fat-free homolog	VPS51, Vps51
Signaling	1	Carbonic anhydrase 2	CA2, Ca2
	2	C-Jun-amino-terminal kinase-interacting protein 3	MAPK8IP3, Mapk8ip3
	3	Calcineurin subunit B type 1	PPP3R1, Ppp3r1
	4	TGF-beta-activated kinase 1 and MAP3K7-binding protein 3	TAB3, Tab3
	5	Serine/threonine-protein kinase MARK1	MARK1, Mark1
	6	Dedicator of cytokinesis protein 3	DOCK3, Dock3
	7	Serine/threonine-protein kinase MARK2	MARK2, Mark2
	8	Beta-adrenergic receptor kinase 1	ADRBK1, Adrbk1
	9	Hyccin	FAM126A, Fam126a
	10	Elongation factor 1-delta	EEF1D, Eef1d
	11	Serine/threonine-protein phosphatase 2A catalytic subunit beta isoform	PPP2CB, Ppp2cb
Ubiquitin-proteasome system	1	Proteasome subunit alpha type-4	PSMA4, Psm4
	2	E3 ubiquitin-protein ligase HUWE1	HUWE1, Huwe1
	3	26S proteasome non-ATPase regulatory subunit 8	PSMD8, Psm8
	4	26S proteasome non-ATPase regulatory subunit 9	PSMD9, Psm9
Transcription regulation	1	Elongation factor 1-delta	EEF1D, Eef1d
	2	Peripheral plasma membrane protein CASK	CASK, Cask
	3	ATP-dependent RNA helicase DDX1	DDX1, Ddx1
	4	Catenin delta-2	CTNND2, Ctnnd2
Cell adhesion	1	Peripheral plasma membrane protein CASK	CASK, Cask
	2	Catenin delta-2	CTNND2, Ctnnd2
	3	Vinculin	VCL, Vcl
Lipid metabolism	1	CDP-diacylglycerol--inositol 3-phosphatidyltransferase	CDIPT, Cdipt
	2	1-acyl-sn-glycerol-3-phosphate acyltransferase gamma	AGPAT3, Agpat3
Others/unknown	1	WD repeat-containing protein 11	WDR11, Wdr11
	2	Protein FAM91A1	FAM91A1, Fam91a1
	3	Transgelin-2	TAGLN2, Tagln2
	4	Myelin proteolipid protein	PLP1, Plp1
	5	Uncharacterized protein C6orf203 homolog	C6orf203
	6	39S ribosomal protein L41, mitochondrial	MRPL41, Mrpl41