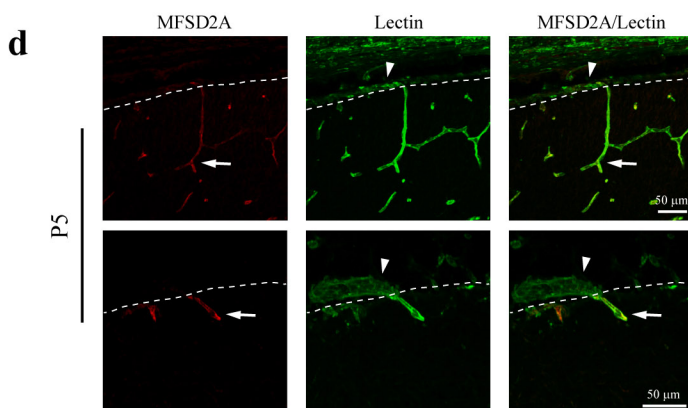
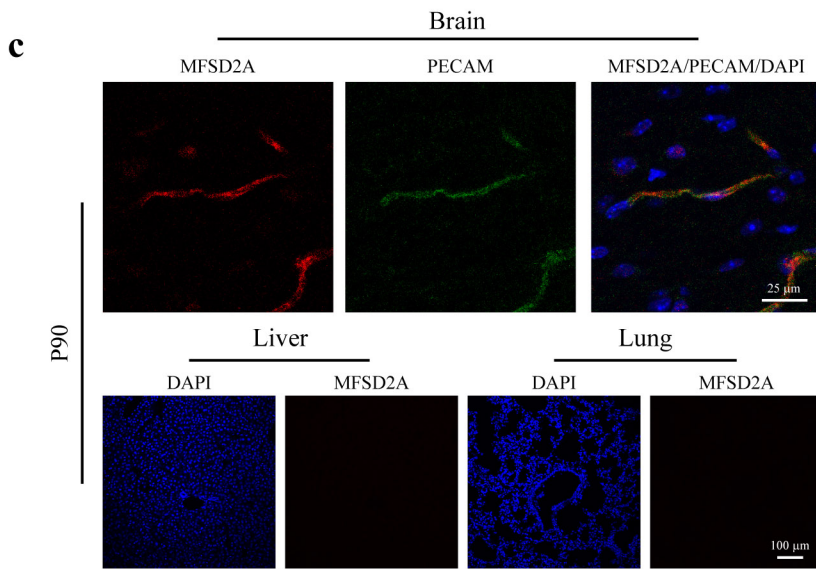
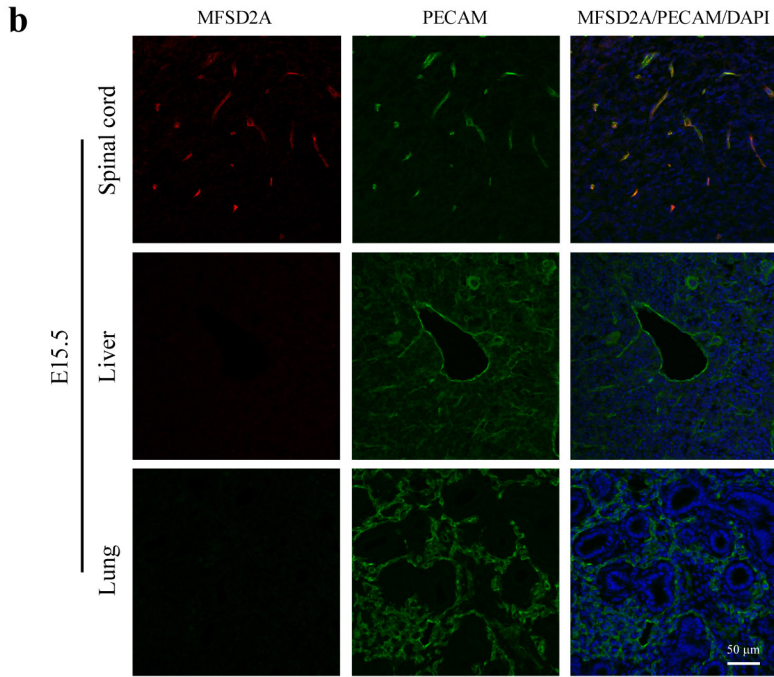
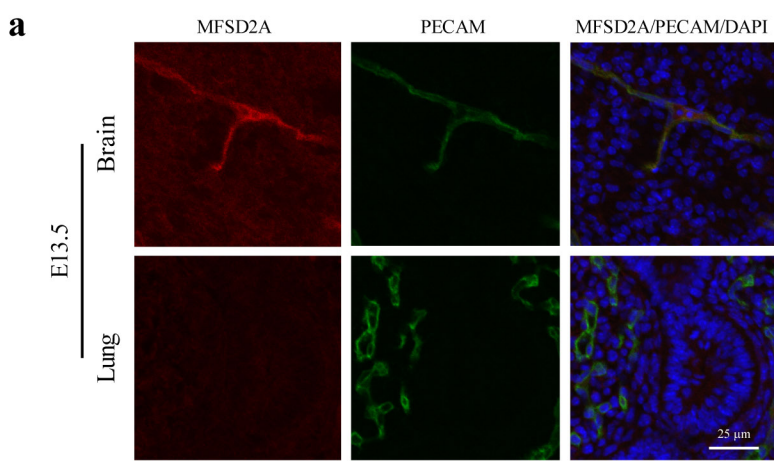


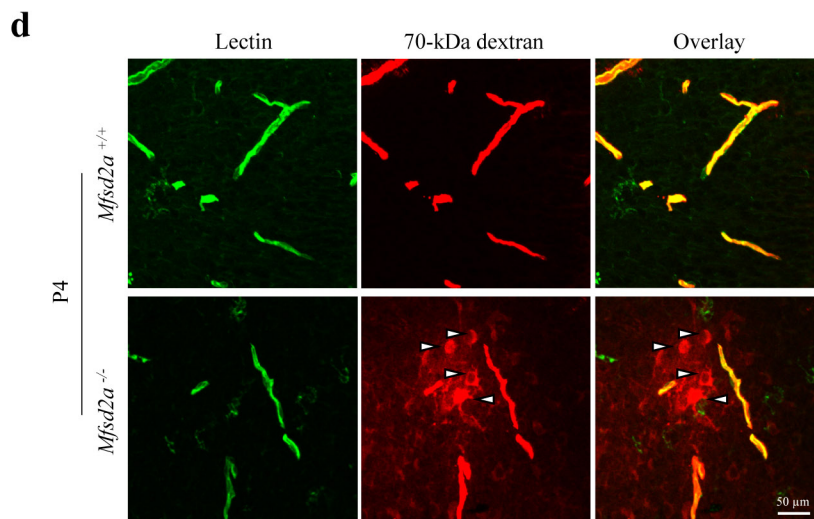
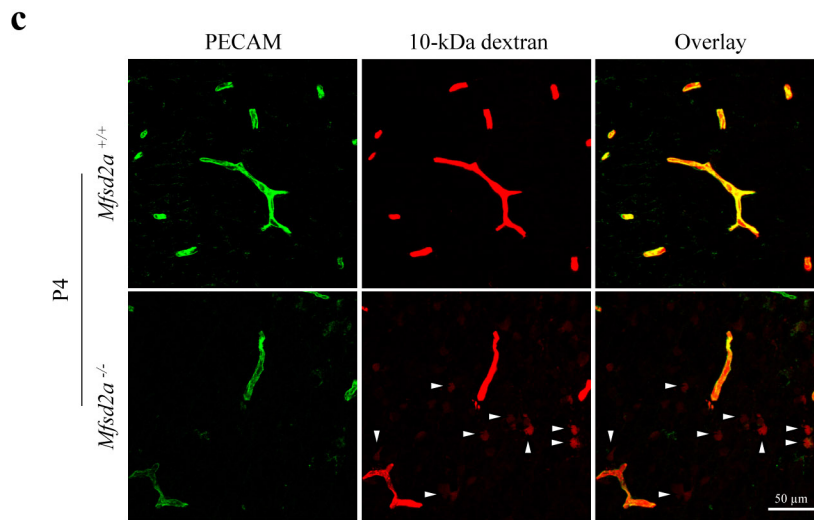
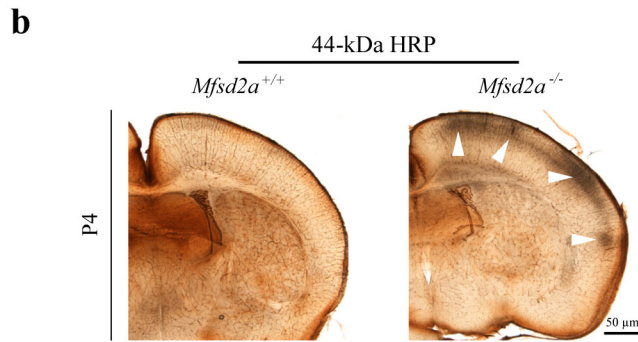
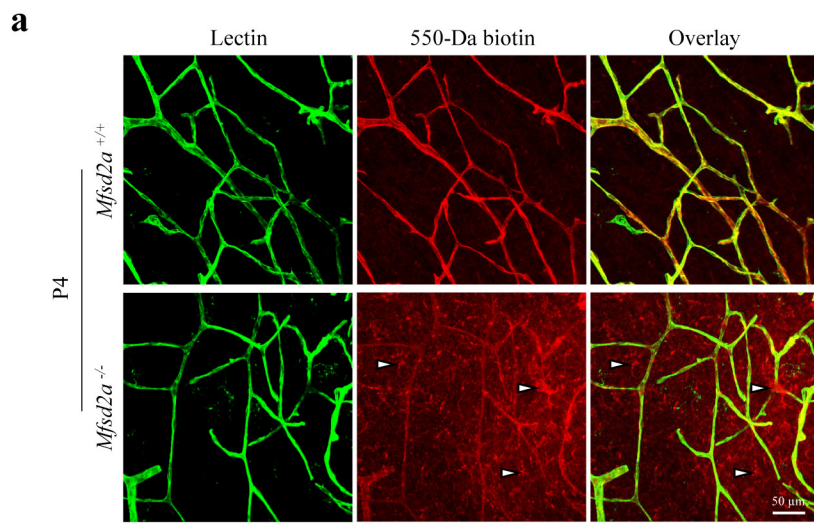
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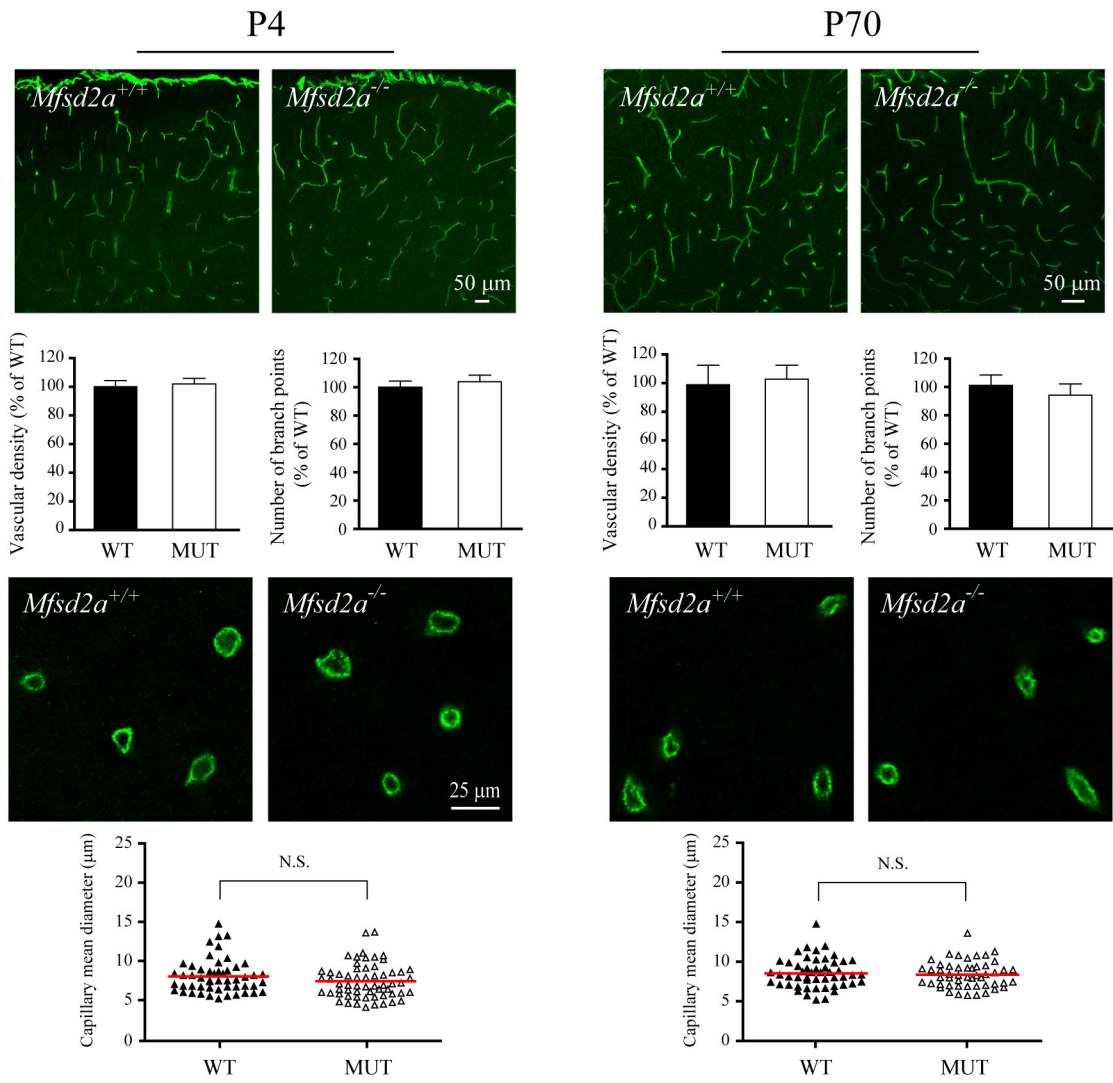
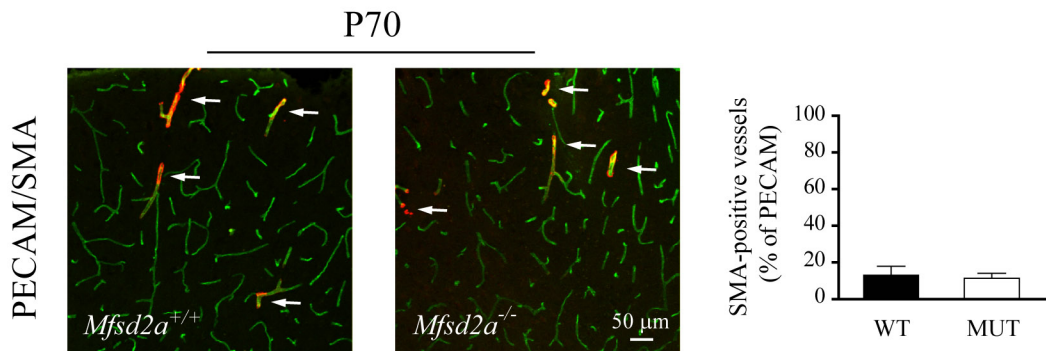
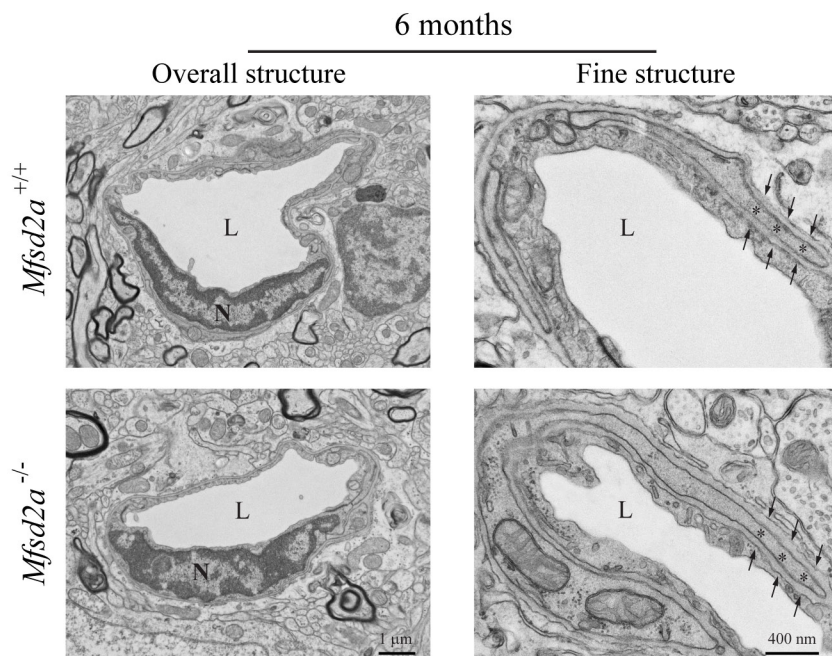
Probe set	Gene Symbol	Cortex GFP+	Lung GFP+	Cortex/Lung
1418788_at	Tie2	2765.0	5040.7	0.5
1417839_at	Cldn5	4978.0	4709.7	1.1
1440926_at	flt1	771.5	606.1	1.3
1449379_at	VegfR2	3578.6	2115.3	1.7
1433956_at	VE-cadherin	2422.9	3572.4	0.7
1421287_a_at	PECAM	364.4	725.4	0.5

b

Probe set	Gene Symbol	Cortex GFP+	Lung GFP+	Cortex/Lung
1423343_at	Slco1c1	2918.1	51.7	56.4
1454622_at	Slc38a5	3007.5	124.7	24.1
1435418_at	Slc22a8	253.6	11.28	22.5
1448299_at	Slc1a1	565.9	47.4	11.9
1418706_at	Slc38a3	917.2	117.9	7.8
1418326_at	Slc7a5	5913.1	1050.9	5.6
1433933_s_at	Slco2b1	994.3	207	4.8
1447227_at	Slc40a1	81.8	20.3	4.0
1436137_at	Slc6a17	567	147.5	3.8
1436417_at	Slc19a3	124.6	34.4	3.6
1451486_at	Slc46a3	371.3	112.2	3.3
1422906_at	Abcg2	458.6	166.2	2.8
1436164_at	Slc30a1	2768	1178.4	2.3
1434773_a_at	Slc2a1	9337.6	4144.4	2.3
1419759_at	Abcb1a	1520	676.8	2.2
1454991_at	Slc7a1	8403.4	4403.5	1.9
1429154_at	Slc35f2	369.6	211	1.8
1433751_at	Slc39a10	3222.8	2074.3	1.6
1437149_at	Slc6a6	2096.5	1367.6	1.5
1433750_at	Slc31a1	1666.4	1389.2	1.2
1447851_x_at	Atp10a	328.4	276.6	1.2
1443870_at	Abcc4	138.4	117.5	1.2
1424211_at	Slc25a33	99.2	93	1.1
1426082_a_at	Slc16a4	94.3	95.8	1.0
1418445_at	Slc16a2	1953.4	2069.4	0.9
1415802_at	Slc16a1	925.1	989.5	0.9
1423109_s_at	Slc25a20	310.4	410.7	0.8
1417022_at	Slc7a3	51.5	74.4	0.7
1453149_at	Slc25a32	109.2	204.7	0.5





a**b****c**

a

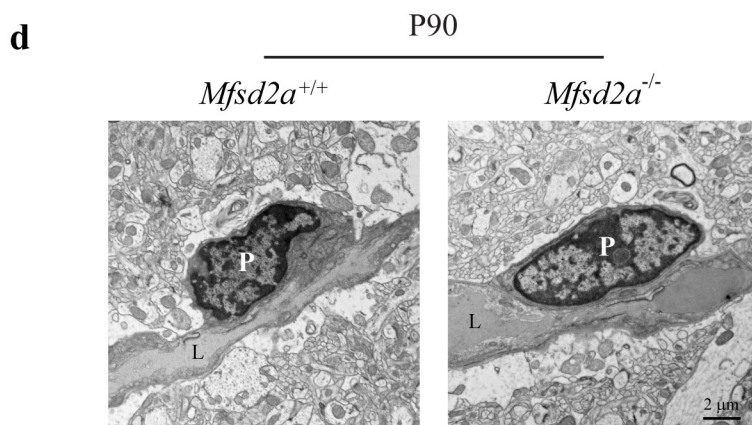
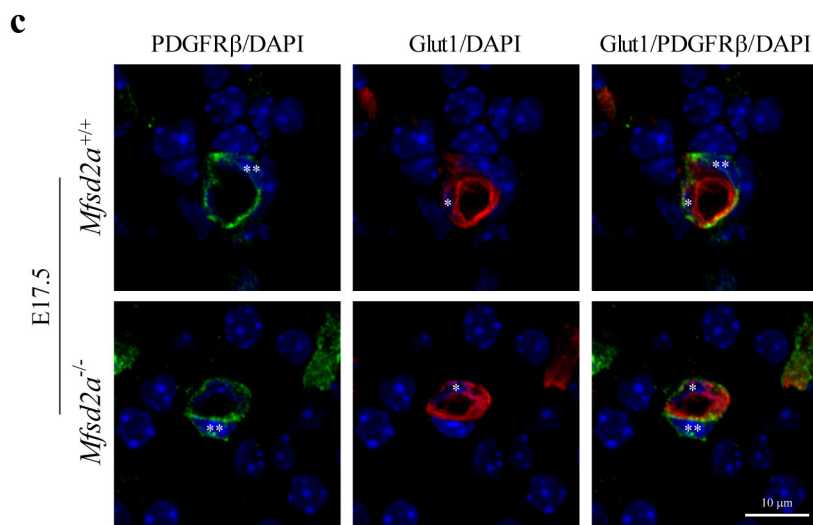
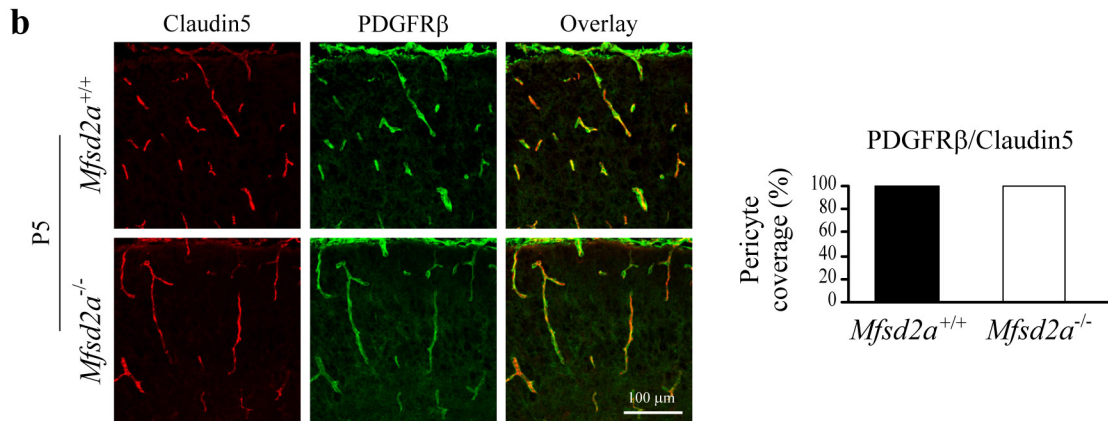
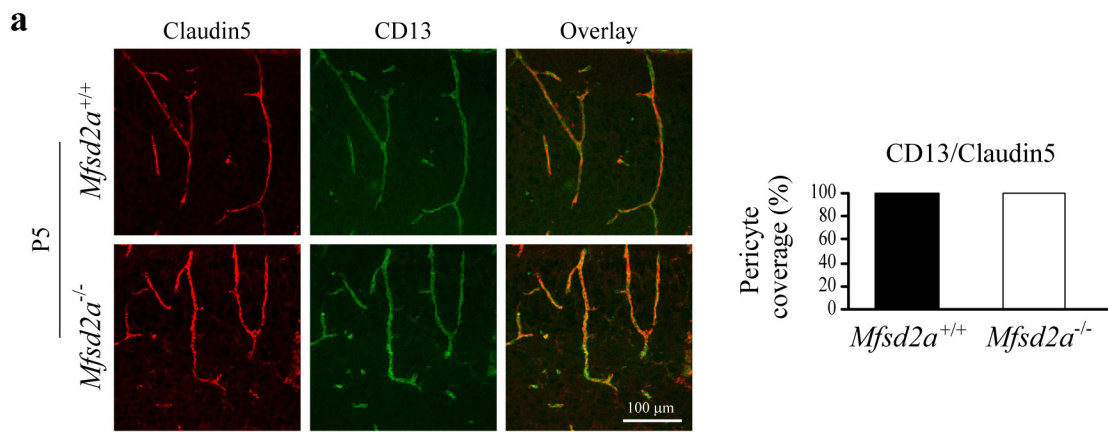
Density of vesicles in the embryo brain endothelium (E17.5)

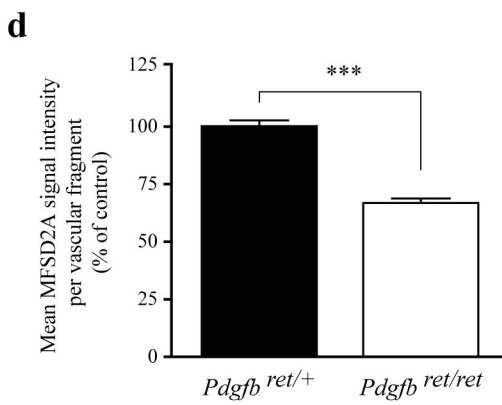
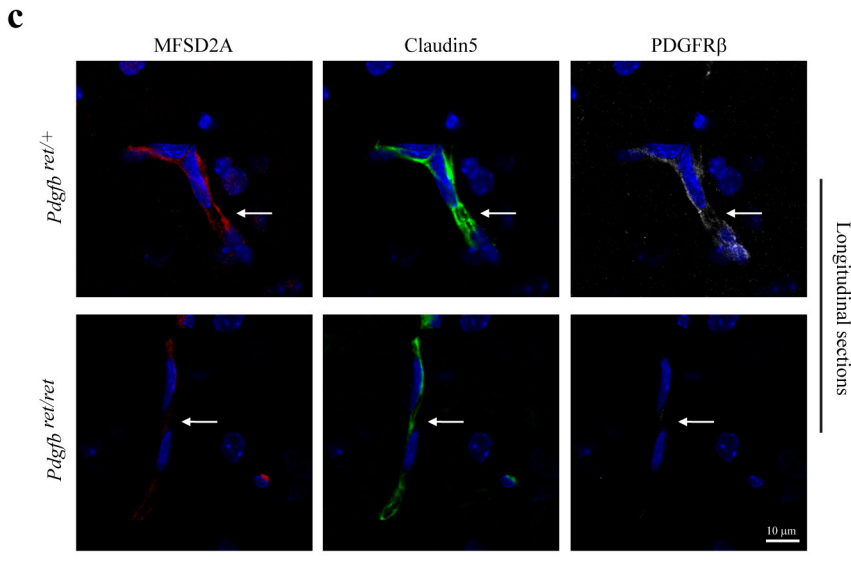
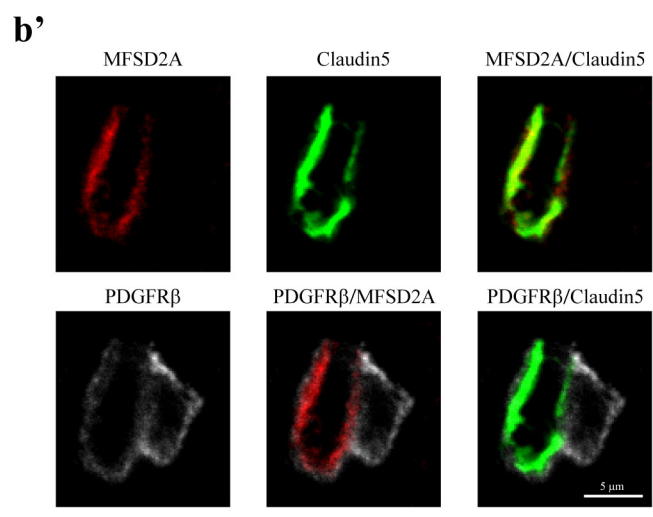
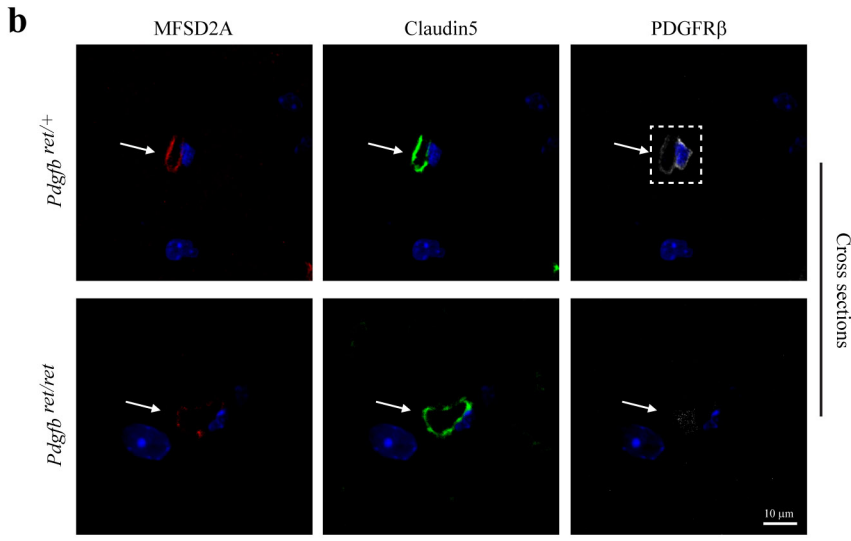
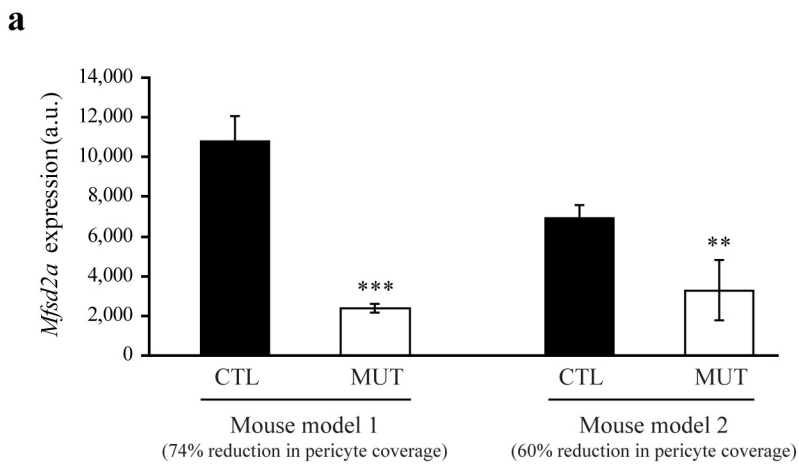
Tissue source	No. of endothelial profiles	No. of vesicles	Mean vesicular density			
			Luminal type I vesicles (/μm)	Luminal type II vesicles (/μm)	Cytoplasmic vesicles (/μm ²)	Abluminal vesicles (/μm)
Controls	40	1180	0.34 ± 0.05	0.14 ± 0.03	2.04 ± 0.06	0.21 ± 0.03
<i>Mfsd2a</i> ^{-/-}	40	2449	0.62 ± 0.03 **	0.38 ± 0.03 ***	4.62 ± 0.30 ***	0.48 ± 0.04 ***

b

Density of HRP-filled vesicles in adult brain endothelium (P90)

Tissue source	No. of endothelial profiles	No. of HRP-filled vesicles	Cytoplasmic HRP ⁺ vesicles (/μm ²)
Controls	15	0	0
<i>Mfsd2a</i> ^{-/-}	15	97	3.35 ± 0.55

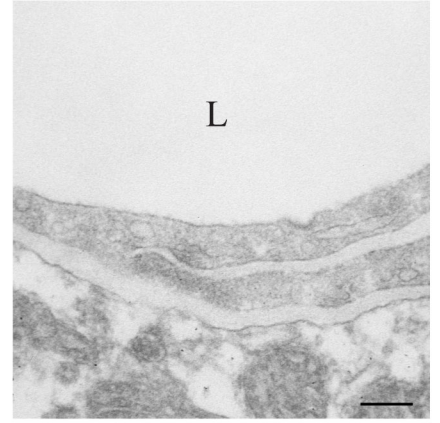
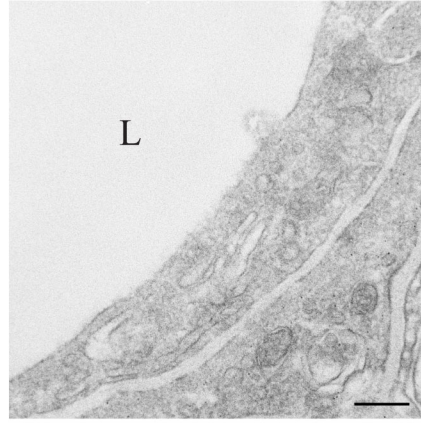
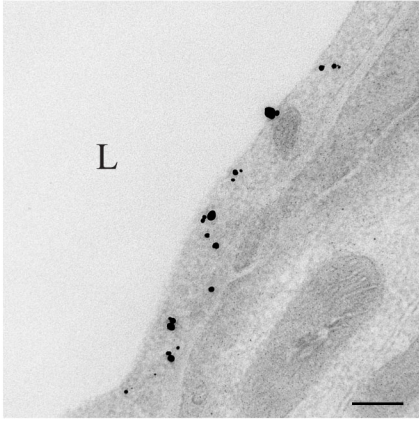




a

Wild-type

Mfsd2a^{-/-}



b

Wild-type

