GO:0098655
(cation transmembrane transport)

Study	SD	Log Odds Ratio [95% CI]
GSE48452	0.114	0.17 [-0.05, 0.40]
GSE61260	0.114	0.25 [0.03, 0.48]
GSE66676	0.114	0.18 [-0.04, 0.41]
GSE83452	0.114	0.26 [0.04, 0.49]
GSE89632	0.114	0.13 [-0.09, 0.35]
GSE126848	0.115	0.25 [0.03, 0.48]
GSE130970	0.114	0.11 [-0.12, 0.33]
HS Model for All Studies		0.19 [0.11, 0.28]

-0.2
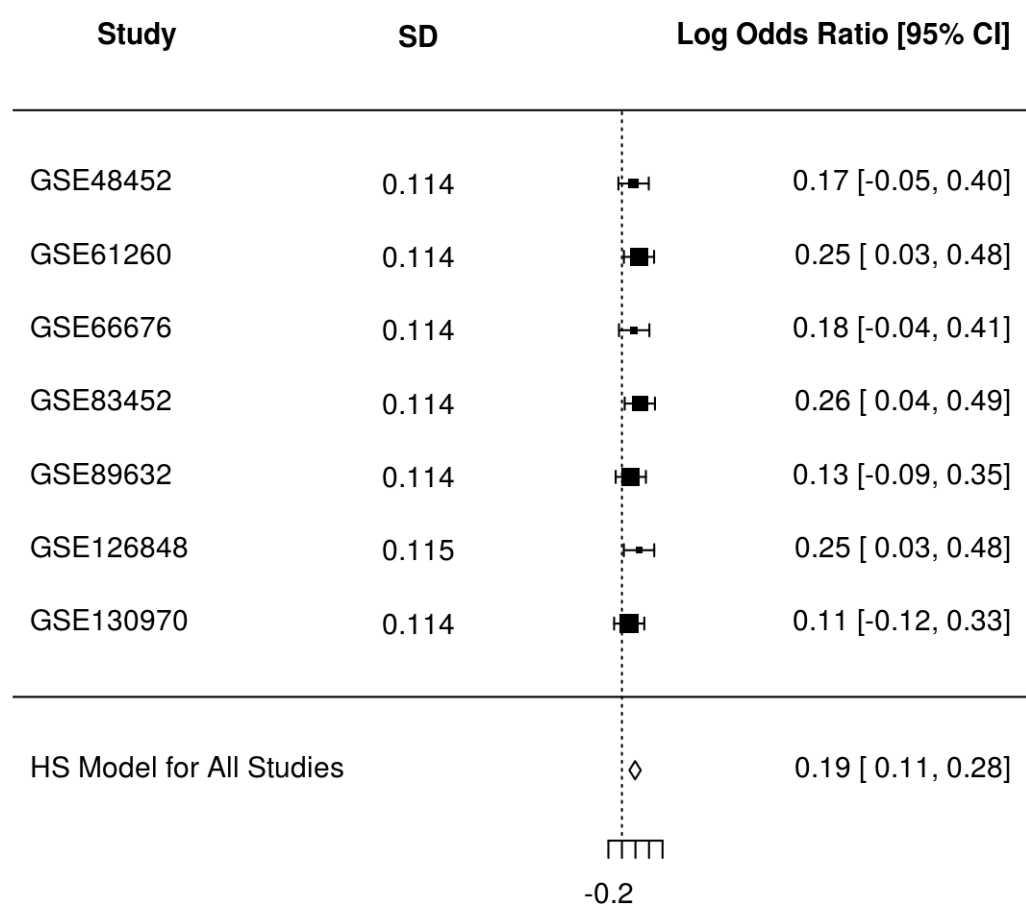
GO:0098662
(inorganic cation transmembrane transport)

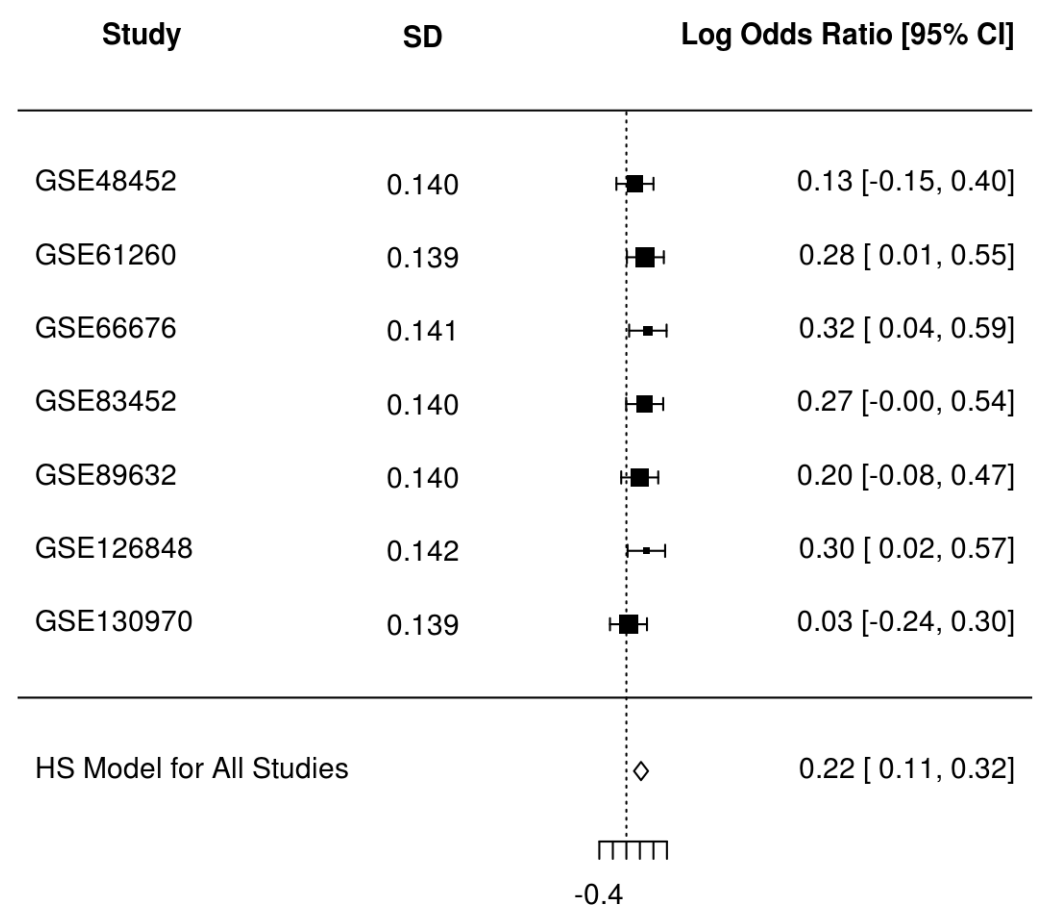| Study	SD	Log Odds Ratio [95% CI]
GSE48452	0.120	0.03 [-0.21, 0.27]
GSE61260	0.120	0.23 [-0.00, 0.47]
GSE66676	0.123	0.32 [0.08, 0.56]
GSE83452	0.121	0.31 [0.07, 0.55]
GSE89632	0.120	0.03 [-0.21, 0.27]
GSE126848	0.121	0.30 [0.06, 0.54]
GSE130970	0.120	0.08 [-0.15, 0.32]
HS Model for All Studies		0.19 [0.09, 0.28]

-0.4
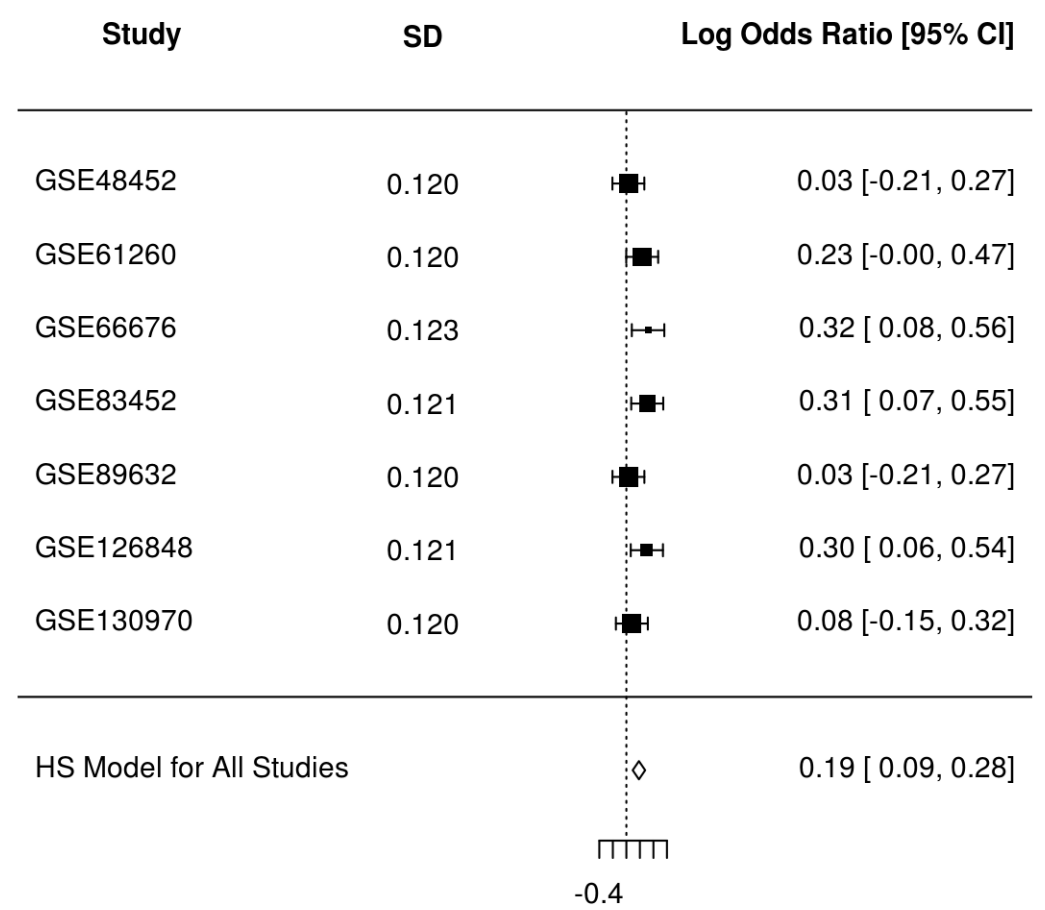
GO:0030001
(metal ion transport)

Study	SD	Log Odds Ratio [95% CI]
GSE48452	0.088	0.14 [-0.03, 0.31]
GSE61260	0.088	0.19 [0.02, 0.36]
GSE66676	0.088	0.03 [-0.14, 0.20]
GSE83452	0.088	0.21 [0.04, 0.39]
GSE89632	0.088	0.06 [-0.11, 0.23]
GSE126848	0.089	0.30 [0.13, 0.47]
GSE130970	0.088	0.06 [-0.11, 0.23]
HS Model for All Studies		0.14 [0.07, 0.21]

-0.2
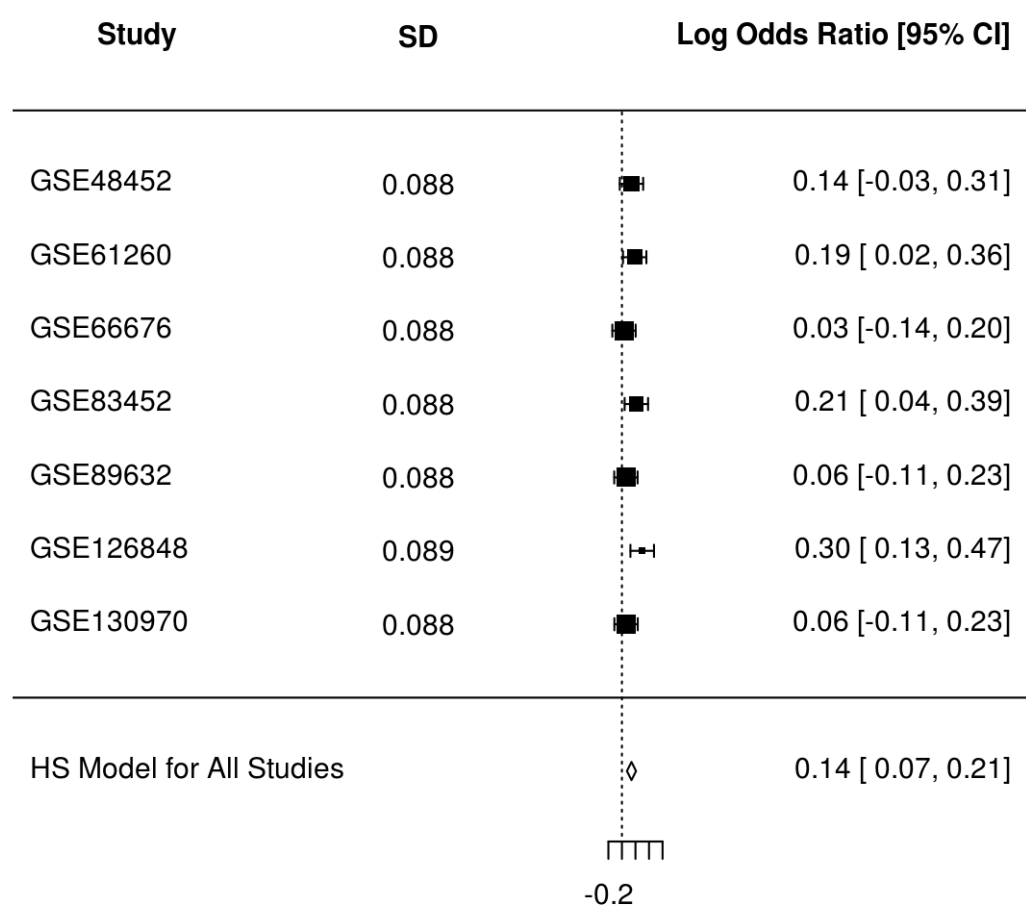
GO:1904062
(regulation of cation transmembrane transport)

Study	SD	Log Odds Ratio [95% CI]
GSE48452	0.140	0.13 [-0.15, 0.40]
GSE61260	0.139	0.28 [0.01, 0.55]
GSE66676	0.141	0.32 [0.04, 0.59]
GSE83452	0.140	0.27 [-0.00, 0.54]
GSE89632	0.140	0.20 [-0.08, 0.47]
GSE126848	0.142	0.30 [0.02, 0.57]
GSE130970	0.139	0.03 [-0.24, 0.30]
HS Model for All Studies		0.22 [0.11, 0.32]

-0.4

Supplementary Figure 3. Forest plots of significant GO terms from our functional pathways meta-analysis.