

Additional file 8: Number of GO enrichment terms (biological tree) in common between GES’s gene lists.

overlap per column	ER	Molecular-apocrine	Basal-like	Claudin-CD24	B-Cell	T-Cell	MHC-1	MHC-2	M2/M1	IFN	IL-8	Adipocytes	Glycolysis	IRGS	CIN	ERBB2	HOXA	MITO/ OXPHOS	Proliferation	Reactive stroma	VEGF	70-GES	GGI	RS	PAM50
ER	100.0	17.5	0.0	0.0	0.0	0.0	0.0	2.1	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	1.1	1.2	1.8	0.0	0.0	14.0	11.0
Molecular-apocrine	15.2	100.0	0.0	2.0	0.0	2.1	0.0	0.0	0.8	0.0	0.0	1.2	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.7
Basal-like	0.0	0.0	100.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8
Claudin-CD24	0.0	1.8	2.1	100.0	0.0	2.1	3.4	0.0	0.8	0.0	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0
B-Cell	0.0	0.0	0.0	0.0	100.0	2.1	10.3	2.1	1.6	3.3	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
T-Cell	0.0	1.8	0.0	2.0	8.3	100.0	3.4	8.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	2.4	0.0	0.0	1.0	0.0	0.0
MHC-1	0.0	0.0	0.0	2.0	25.0	2.1	100.0	10.4	6.3	13.3	16.7	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MHC-2	1.5	0.0	0.0	0.0	8.3	8.5	17.2	100.0	4.8	10.0	16.7	1.2	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	1.0	0.0	0.0
M2/M1	3.0	1.8	0.0	2.0	16.7	2.1	27.6	12.5	100.0	23.3	50.0	2.4	0.0	3.8	0.0	0.0	2.3	0.0	2.1	0.0	0.9	0.0	0.0	1.0	2.9
IFN	0.0	0.0	0.0	0.0	8.3	0.0	13.8	6.2	5.6	100.0	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IL-8	0.0	0.0	0.0	2.0	8.3	0.0	3.4	2.1	2.4	3.3	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Adipocytes	0.0	1.8	0.0	0.0	0.0	0.0	3.4	2.1	1.6	0.0	0.0	100.0	7.7	0.0	0.0	0.0	0.0	2.8	0.0	1.2	0.0	0.0	0.0	0.0	0.0
Glycolysis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	100.0	0.0	0.0	0.0	0.0	5.6	0.0	0.0	0.0	0.0	0.0	1.0	0.0
IRGS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.0	0.0	2.0	0.6
CIN	0.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	32.6	0.0	0.0	17.9	29.1	5.0	8.1
ERBB2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	2.0	1.7
HOXA	4.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	1.2	1.8	0.0	0.0	4.0	2.9
MITO/ OXPHOS	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	1.2	15.4	0.0	0.0	0.0	0.0	100.0	1.1	0.0	0.0	0.0	1.0	0.0	0.0
Proliferation	1.5	0.0	0.0	0.0	0.0	0.0	0.0	2.1	1.6	0.0	0.0	0.0	0.0	0.0	46.3	0.0	0.0	2.8	100.0	0.0	0.0	12.8	57.3	26.0	17.3
Reactive stroma	1.5	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	2.3	0.0	0.0	100.0	1.8	2.6	1.0	0.0	1.7
VEGF	3.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	7.5	0.0	9.5	4.7	0.0	0.0	2.4	100.0	5.1	0.0	4.0	4.0
70-GES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.4	0.0	0.0	0.0	5.3	1.2	1.8	100.0	6.8	3.0	1.2
GGI	0.0	0.0	0.0	0.0	0.0	2.1	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	44.8	0.0	0.0	2.8	62.1	1.2	0.0	17.9	100.0	17.0	14.5
RS	21.2	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	7.7	3.8	7.5	9.5	9.3	0.0	27.4	0.0	3.6	7.7	16.5	100.0	28.3
PAM50	28.8	5.3	35.4	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	1.9	20.9	14.3	11.6	0.0	31.6	3.5	6.4	5.1	24.3	49.0	100.0