

Additional file 10: Continuous score GES analyses results in function of internal TNBC clusters (C1, C2 and C3).

GES name	P	P			Results
		C1 vs C2	C1 vs C3	C2 vs C3	
Molecular subtyping					
AR	< 0.0001	< 0.0001	< 0.0001	0.1155	C1 > C2 ≈ C3
Basal-like	< 0.0001	< 0.0001	< 0.0001	< 0.0001	C1 < C3 < C2
Claudin-CD24	0.4216				NS
ER	< 0.0001	< 0.0001	< 0.0001	0.4577	C1 > C2 ≈ C3
ERBB2	0.0010	0.0168	0.0007	0.4582	C1 > C2 ≈ C3
Molecular-apocrine	< 0.0001	< 0.0001	< 0.0001	0.5118	C1 > C2 ≈ C3
Immune response					
B-cell	< 0.0001	0.0061	< 0.0001	< 0.0001	C2 < C1 < C3
CYT	< 0.0001	0.0010	< 0.0001	< 0.0001	C2 < C1 < C3
IL-8	0.5269				NS
M2/M1	< 0.0001	0.7797	< 0.0001	< 0.0001	C1 ≈ C2 > C3
M2/M1 (Becker)	< 0.0001	0.5333	< 0.0001	< 0.0001	C1 ≈ C2 > C3
MHC-1	< 0.0001	0.9562	< 0.0001	< 0.0001	C1 ≈ C2 < C3
MHC-2	< 0.0001	< 0.0001	0.0001	< 0.0001	C2 < C1 < C3
STAT1	< 0.0001	0.9341	< 0.0001	< 0.0001	C3 > C1 ≈ C2
T-cell	< 0.0001	< 0.0001	< 0.0001	< 0.0001	C2 < C1 < C3
Type I IFN	< 0.0001	0.9658	< 0.0001	< 0.0001	C1 ≈ C2 < C3
Microenvironment cells					
Epithelial cells	0.0731				NS
Fibroblasts	0.0008	0.9814	0.0061	0.0022	C1 ≈ C2 > C3
Neurons	0.0208	0.9967	0.0664	0.0323	C2 > C3, C1 ≈ C2 and C1 ≈ C3
Metabolism					
Adipocytes	< 0.0001	< 0.0001	< 0.0001	0.5065	C1 > C2 ≈ C3
Glycolysis	< 0.0001	< 0.0001	0.0039	0.1663	C1 < C2 ≈ C3
IRGS	< 0.0001	< 0.0001	< 0.0001	0.0022	C1 < C3 < C2
Critical biological pathways in cancer					
AKT	< 0.0001	0.0003	< 0.0001	0.6547	C1 < C2 ≈ C3
β-Catenin	0.6039				NS
CIN	< 0.0001	< 0.0001	< 0.0001	0.2853	C1 < C2 ≈ C3
E2F3	< 0.0001	< 0.0001	0.1687	0.0006	C1 ≈ C3 < C2
EGFR	< 0.0001	< 0.0001	< 0.0001	0.2540	C1 < C2 ≈ C3
HOXA	< 0.0001	< 0.0001	< 0.0001	0.6825	C1 > C2 ≈ C3
MITO/OXPHOS	0.8867				NS
MYC	< 0.0001	< 0.0001	< 0.0001	0.1406	C1 < C2 ≈ C3
p53	< 0.0001	< 0.0001	< 0.0001	0.2218	C1 > C2 ≈ C3
PIK3CA	< 0.0001	< 0.0001	< 0.0001	< 0.0001	C1 > C3 > C2
PNI	< 0.0001	< 0.0001	0.0013	0.0004	C1 < C3 < C2
PRL	< 0.0001	< 0.0001	< 0.0001	0.6417	C1 > C2 ≈ C3
Proliferation	< 0.0001	< 0.0001	< 0.0001	0.6327	C1 < C2 ≈ C3
PTEN loss	< 0.0001	< 0.0001	< 0.0001	0.9444	C1 < C2 ≈ C3
RAS	0.1017				NS
Reactive stroma	< 0.0001	< 0.0001	< 0.0001	0.9429	C1 > C2 ≈ C3
SRC	0.2019				NS
Stroma-CD10	0.0001	0.6269	0.0004	0.0017	C1 ≈ C2 > C3
TGFβ	0.0113	0.0300	0.9409	0.0332	C1 ≈ C3 < C2
VEGF	< 0.0001	< 0.0001	0.6654	< 0.0001	C1 ≈ C3 < C2
Wound-response	< 0.0001	< 0.0001	< 0.0001	0.1877	C1 < C2 ≈ C3
YAP1-WWTR1	0.0069	0.0258	0.9782	0.0183	C1 ≈ C3 < C2
Prognosis					
38-GES	< 0.0001	< 0.0001	< 0.0001	< 0.0001	C1 < C3 < C2
70-GES	< 0.0001	< 0.0001	< 0.0001	0.0122	C1 < C3 < C2
GGI	< 0.0001	< 0.0001	< 0.0001	0.9126	C1 < C2 ≈ C3

GES: gene-expression signature; NS: not significant ($P > 0.05$).