

Common GSEA pathways in DTG mouse profile	FDR q-value	Common GSEA pathways in human EMPD profile	FDR q-value
Reactive oxygen species pathway	0.0327731	Mitotic spindle	0.021119323
Tnfr signaling via Nfκβ	0.0426089	G2M checkpoint	0.035981484
Tgfβ signaling	0.06422008	Protein secretion	0.031027425
Unfolded protein response	0.08009433	Spermatogenesis	0.035981484
Protein secretion	0.066596486	Unfolded protein response	0.033009045
Inflammatory response	0.06004889	PI3K-Akt Mtor signaling pathway	0.041648515
Androgen response	0.055576608	E2F targets	0.07237437
P53 signaling pathway	0.05020514	Myc targets	0.073901996
Kras signaling pathway	0.051614564	DNA repair signaling pathway	0.079273544
Interferon gamma response	0.1254483	P53 signaling pathway	0.090082314
Il6 Jak Stat3 signaling	0.12911785	Tnfr signaling via Nfκβ	0.10769729
Il2 Stat signaling	0.12652881	Inflammatory response	0.10103748
Apical surface pathway	0.13418165	Androgen response	0.119132645
UV response	0.20511864	MtorC1 signaling pathway	0.11721379
Complement signaling pathway	0.19520234	Apoptosis	0.16142263
MtorC1 signaling pathway	0.20413356	Complement signaling pathway	0.17696123
DNA repair signaling pathway	0.19583966	Interferon gamma response	0.17967439
Coagulation signaling pathway	0.21024227	UV response signaling pathway	0.1964843
Myc targets	0.25258413	Interferon alpha response	0.2022174
		Apical surface	0.1967898
		UV response	0.19712204
		Heme emtabolism	0.192529
		Allograft rejection pathway	0.19243732
		Pancreas β cell-associated pathway	0.20387211
		Bile acid metabolism	0.21018603
		Fatty acid metabolism	0.22468795
		Il6 Jak Stat3 signaling pathway	0.21960117
		Il2 Stat5 signaling pathway	0.2184198

Fig.S21 GSEA analysis of DTG mouse and human EMPD skin. GSEA profiles in DTG mouse and EMPD human skin. Colored fonts indicate common GSEA profiles between DTG mouse and human EMPD skin.