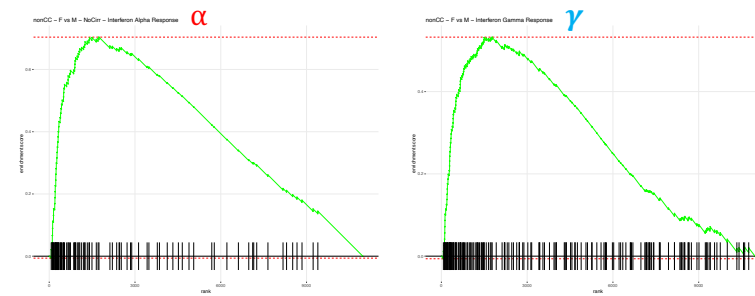


CC – F vs M - Noncirrhotic

Pathway	F	Gene ranks	M	NES	pval	padj
α HALLMARK_INTERFERON_ALPHA_RESPONSE				1.51	8.2e-03	5.8e-02
HALLMARK_KRAS_SIGNALING_DN				1.41	3.9e-02	1.2e-01
HALLMARK_MYC_TARGETS_V2				1.36	6.6e-02	1.6e-01
HALLMARK_BILE_ACID_METABOLISM				1.32	7.2e-02	1.7e-01
HALLMARK_XENOBIOTIC_METABOLISM				1.32	4.0e-02	1.2e-01
HALLMARK_IL2_STAT5_SIGNALING				1.29	6.6e-02	1.6e-01
HALLMARK_COAGULATION				1.27	9.9e-02	2.2e-01
HALLMARK_GLYCOLYSIS				1.20	1.4e-01	3.0e-01
HALLMARK_HYPOXIA				1.19	1.6e-01	3.3e-01
HALLMARK_MITOTIC_SPINDLE				1.16	2.0e-01	3.4e-01
HALLMARK_PEROXISOME				1.16	2.1e-01	3.4e-01
HALLMARK_NOTCH_SIGNALING				1.09	3.3e-01	4.8e-01
γ HALLMARK_INTERFERON_GAMMA_RESPONSE				1.04	4.0e-01	5.6e-01
HALLMARK_CHOLESTEROL_HOMEOSTASIS				1.02	4.3e-01	5.8e-01
HALLMARK_MYOGENESIS				0.99	4.6e-01	6.1e-01

a



nonCC – F vs M - Noncirrhotic

Pathway	F	Gene ranks	M	NES	pval	padj
α HALLMARK_INTERFERON_ALPHA_RESPONSE				2.79	2.7e-18	1.3e-16
γ HALLMARK_INTERFERON_GAMMA_RESPONSE				2.35	5.8e-13	1.4e-11
HALLMARK_CHOLESTEROL_HOMEOSTASIS				1.48	1.8e-02	1.9e-01
HALLMARK_FATTY_ACID_METABOLISM				1.42	3.3e-02	1.9e-01
HALLMARK_KRAS_SIGNALING_DN				1.42	3.9e-02	1.9e-01
HALLMARK_IL2_STAT5_SIGNALING				1.39	3.5e-02	1.9e-01
HALLMARK_GLYCOLYSIS				1.38	3.3e-02	1.9e-01
HALLMARK_UNFOLDED_PROTEIN_RESPONSE				1.35	5.3e-02	2.3e-01
HALLMARK_PEROXISOME				1.32	7.7e-02	3.2e-01
HALLMARK_BILE_ACID_METABOLISM				1.23	1.4e-01	4.6e-01
HALLMARK_NOTCH_SIGNALING				1.20	2.2e-01	5.6e-01
HALLMARK_MTORC1_SIGNALING				1.19	1.2e-01	4.6e-01
HALLMARK_XENOBIOTIC_METABOLISM				1.17	1.6e-01	4.6e-01
HALLMARK_MYOGENESIS				1.14	2.3e-01	5.6e-01
HALLMARK_INFLAMMATORY_RESPONSE				1.14	2.2e-01	5.6e-01

b