TCGA BLCA LumP: n = 106, LumU: n = 35, LumNS: n = 14, Stroma-rich: n = 41, Ba/Sq: n = 126, NE-like: n = 2 Stroma rich LumP LumU FGFR3 -SDC1 FGFR3 GPC3 TGFBR3 SDC4 FGFR1 FGF10 SDC2 FGF18 PTX3 ANOS1 FGFBP1 GPC1

> cancer sample **IMvigor**

LumP: n = 41, LumU: n = 21, LumNS: n = 5, Stroma-rich: n = 28, Ba/Sq: n = 49, NE-like: n = 2 Stroma rich LumP LumD FGFR3 SDC1 FGFR3 GPC3 TGFBR3 SDC4 DCN FGF7 FGFR1 FGF14 FGF10 HSPG2 FGF2 FGF18 PTX3 ANOS1 CD44 FGFBP1 FGF5 TNFAIP6 GPC1 FGF11

cancer sample

BCAN

FGF7

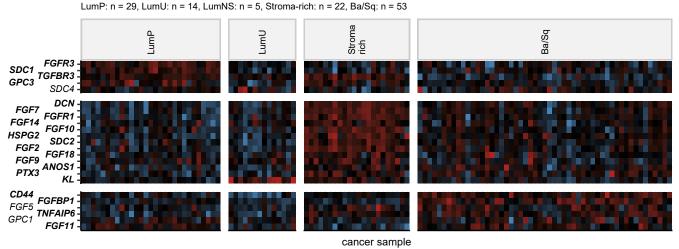
FGF14

HSPG2

FGF2

FGF9

CD44



Z-score

-3 -2 -1 0 2 1