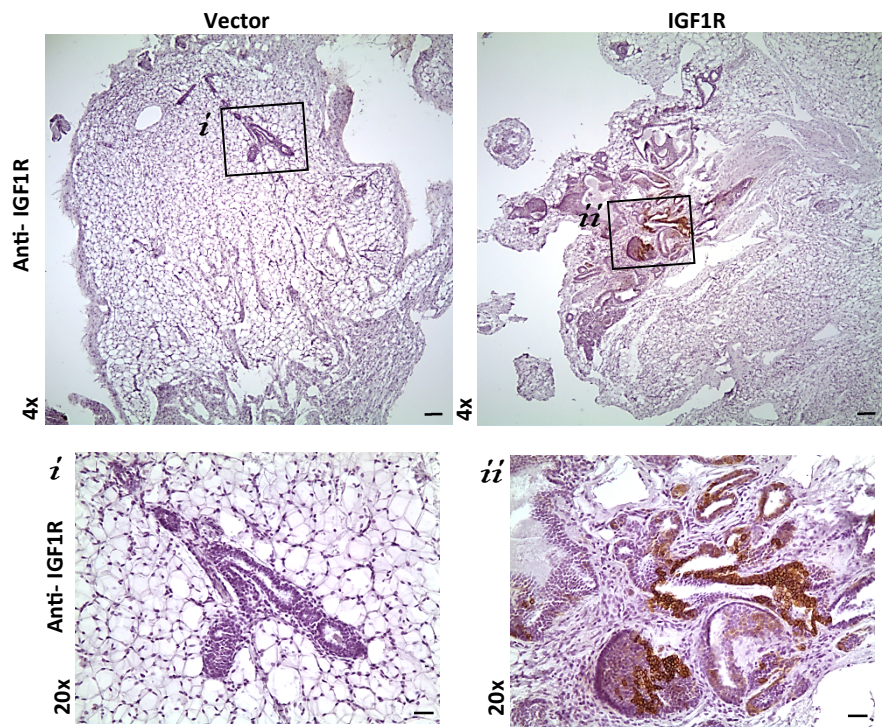
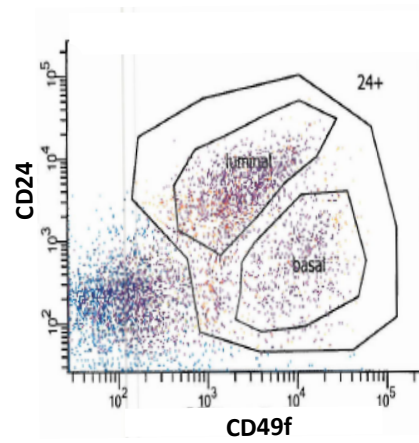


Supplemental Table 1: qPCR Primer Sequences

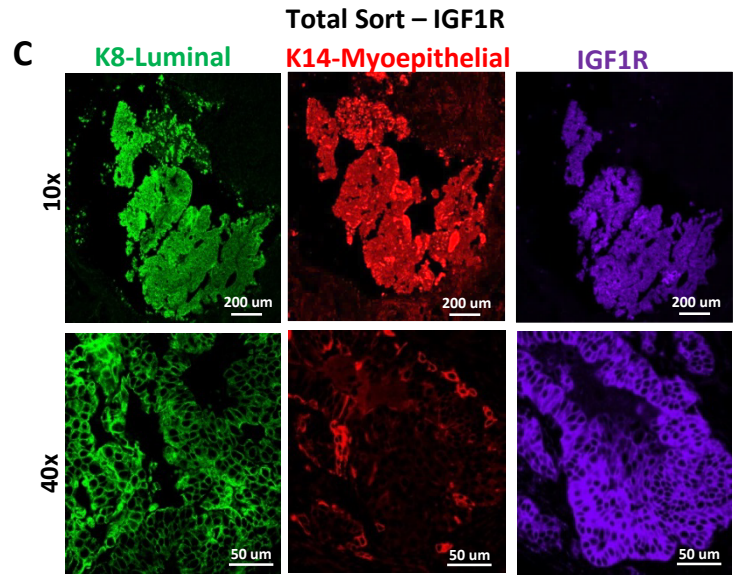
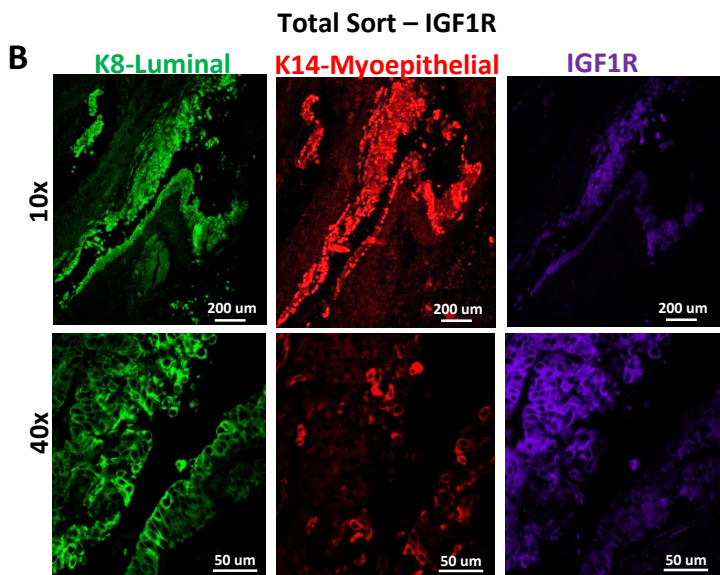
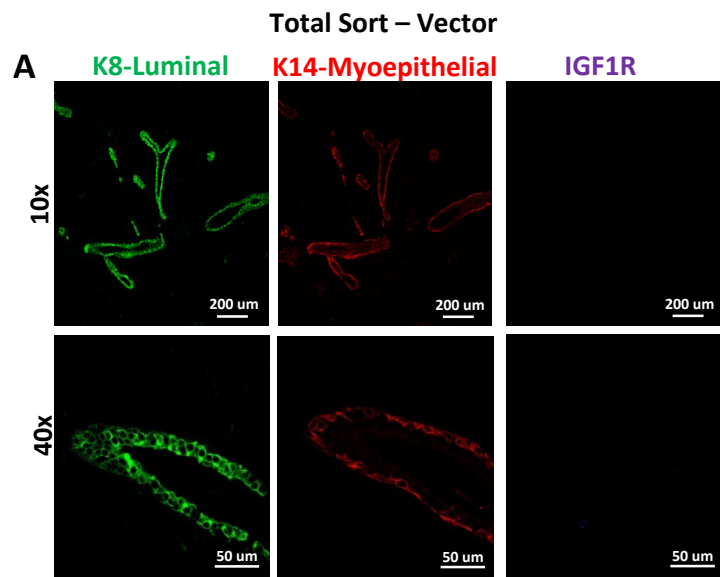
Species	Gene	Forward Primer Sequence	Reverse Primer Sequence
Human	b-Actin	CAGTGCCTAGGTCACCCACT	AGAAGTCGCAGGACCACACT
Human	IGF1R	AGTTATCTCCGGTCTCTGAGG	TCTGTGGACGAACCTATTGGC
Human	p65	AGCTTGTAGGAAAGGACTGC	TGTTGTTGGTCTGGATGCG
Human	Snail	CACTATGCCGCGCTCTTTC	GGTCGTAGGGCTGCTGGAA
Human	Slug	AGCATTTCAACGCCTCCA	GGATCTCTGGTTGTGGTATGAC
Mouse	p63deltaN	CCTGGAAAACAATGCCCAGAC	GAGGAGCCGTTCTGAATCTGC
Mouse	c-Kit	GCCACGTCTCAGCCATCTG	GTCGCCAGCTTCAACTATTAACT
Mouse	Elf5	ATGTTGGACTCCGTAACCCAT	GCAGGGTAGTAGTCTTCATTGCT
Mouse	Cxcr4	GAAGTGGGGTCTGGAGACTAT	TTGCCGACTATGCCAGTCAAG
Mouse	LBP	CCTGAGACTCGCCATCTCTGA	AGGAGGAGGTCCACTGAAATG
Mouse	Sox10	CCCACACTACACCGACCAG	GGCCATAATAGGGTCCTGAGG
Mouse	ID4	CAGTGCGATATGAACGACTGC	GACTTTCTTGTTGGGCGGGAT
Mouse	Egr2	GCCAAGGCCGTAGACAAAATC	CCACTCCGTTTCATCTGGTCA
Mouse	Mef2C	TGCTGGTCTCACCTGGTAAC	ATCCTTTGATTCACTGATGGCAT
Mouse	Twist2	CGCTACAGCAAGAAATCGAGC	GCTGAGCTTGTCAGAGGGG
Mouse	Tbx2	CCGATGACTGCCGCTATAAGT	CCATCCACTGTTCCCCTGT



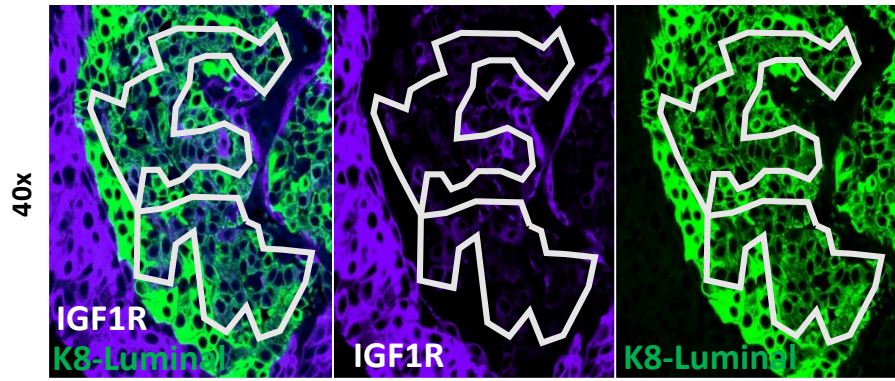
Supplemental Figure 1: IGF1R-infected primary mouse MEC gland reconstitutions demonstrate regional IGF1R expression. A) IHC of CD8-IGF1R-reconstituted glands with anti-IGF1R; 4x with 20x inserts.



Supplemental Figure 2: FACS populations of lineage-specific sort. Wild type mammary glands were dissociated, and FACS analyzed for CD24, CD49f, CD29, and CD61 markers to separate the luminal and basal populations.



Supplemental Figure 3: Total-sorted controls of IGF1R-infected primary mouse MECs have similar lineage markers as observed in total un-sorted reconstitutions and transgenic mice. IF of glands from total population sorted cells infected with A) vector control or B-C) CD8-IGF1R co-stained with K8 (green), K14 (red), and IGF1R (purple); 10x with 40x insets.



Supplemental Figure 4: Luminal-sorted IGF1R-infected primary mouse MECs have differential co-expression of IGF1R with K8 lineage marker in reconstituted glands. IF of glands reconstituted with luminal-sorted MECs infected with CD8-IGF1R. Sections are co-stained with K8 (green) or IGF1R (purple); 40x. Circled sections highlight areas of high IGF1R expression and minimal to no lineage marker expression.