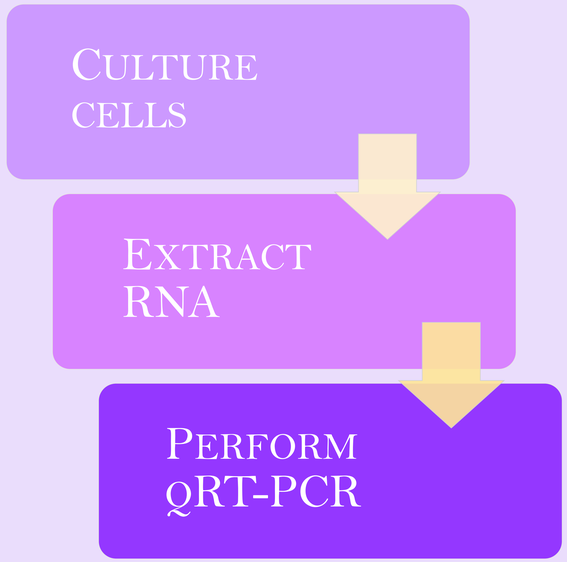
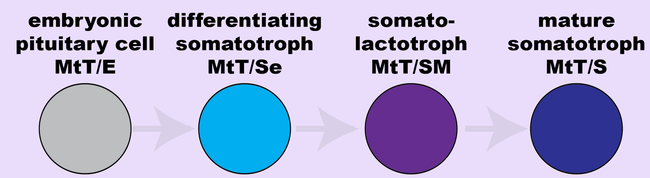
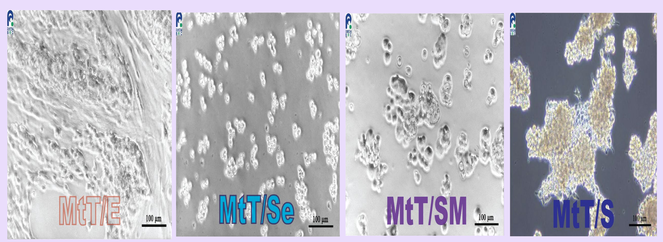
Samantha C. Morris
Poster #1977

Growth Hormone RNA levels correlate with states of somatotroph differentiation in rat MtT pituitary cell lines.



Rat ZNF292 linear primers	
ZX256U	ACACAGTGGCCATCCAAAGT
ZX384D	ACTCAACAGGGAGACACAGT
ZN16 U	AAGGCACTGGTGAGCCTCTGAT
ZN16 L	TCTTGGAAACCTGGATGACGGA
Rat ZNF292 circular	
ZCL308	GGGTGTGGAAAAACGCTGTC
ZCU454	ACTTTGGATGGCCACTGTGT
RPL19F	TGCTTAGGCTACAGAAGAGGCTTGC
RPL19R	TGTTGACGAGAGTTGGCATTGG
GH coding F	AGGCTGCGTTCTGCTTCTCAGA
GH coding R	TTCCATGTCAGTTCTCTGCTGG





Comparison of MtT/ cell lines which all derive from MtT/F84 cells, a pituitary tumor from Fisher F344 rats.

	MtT/E	MtT/Se	MtT/SM	MtT/S
Hormones	none	GH	GH and PRL	GH
Size (um3)	11.8	10.4	12.7	12.5
Shape	spindle	round	ovoid	round
Doubling time (hr)	55	24	50	43
Estrogen sensitivity?	independent	dependent	slight sensitivity	independent

More info online

Pharmacy Research Track
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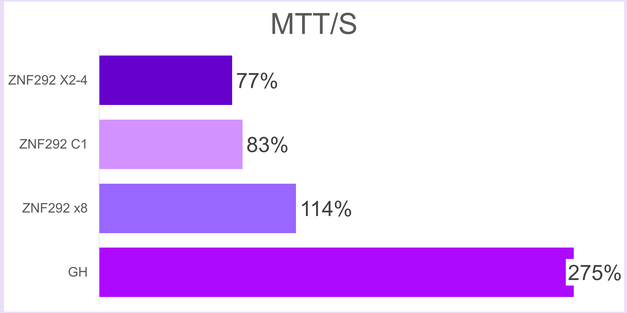

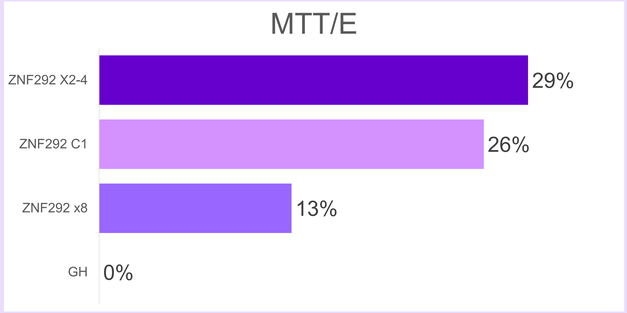

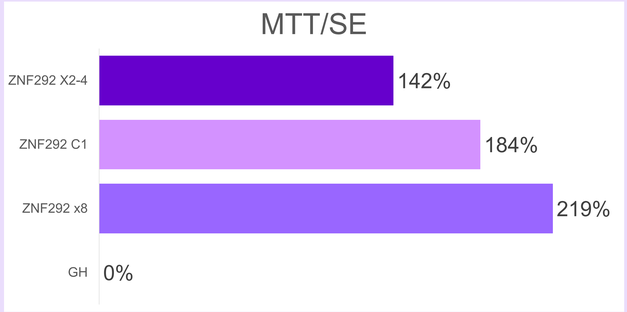

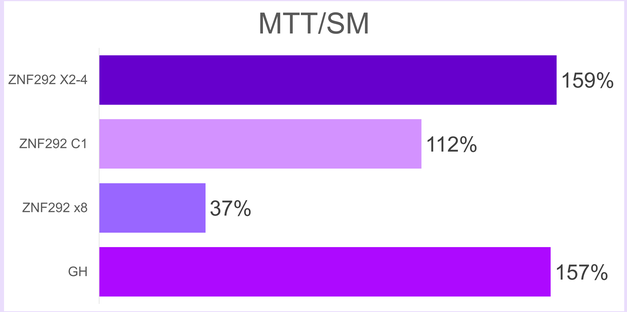

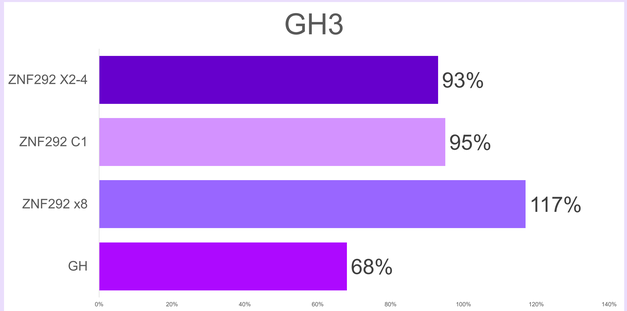

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