

1 **Supplemental Table S4**

2 **Genes detected**

3 Genes detected before the differential analysis:

sample	replicate	Detected genes	mean	SD
WT	Br1	20088	19833.7	329.1
	Br2	19951		
	Br3	19462		
GPAT6	Br1	20178	20678.7	435.7
	Br2	20886		
	Br3	20972		

4

5 Genes detected after the differential analysis: 567

6 **Reads properly paired**

condition	reads properly paired
GPAT6-BR1	16496720
GPAT6-BR2	22418700
GPAT6-BR3	20044472
WT-BR1	14136212
WT-BR2	18573428
WT-BR3	11557950

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