

Multiplex Replicate #1

Total Reads = 6,455,460

Intact Reads = 5,845,830 (contain LTR, digestion site, and barcode)

Transcription Factor	Uniquely Aligned Reads	Independent Insertions
Gal4	658648	16116
Rpi1	443198	18015
Rgm1	78316	4755
Sef1	364402	15005
Yrm1	458355	14472
Lee1	269918	18399
Kar4	356445	23097
Sfg1	764286	54987

Multiplex Replicate #2

Total Reads = 5,762,909

Intact Reads = 4,172,813 (contain LTR, digestion site, and barcode)

Transcription Factor	Uniquely Aligned Reads	Independent Insertions
Gal4	388075	13886
Rpi1	251295	14417
Rgm1	74066	4946
Sef1	364402	14345
Yrm1	380449	14849
Lee1	189542	14871
Kar4	204392	15615
Sfg1	253570	22233

Supplementary Table 2. The number reads collected from the Illumina GAI for each multiplexed experiment and the number of reads and independent insertions for each transcription factor's barcode.