Supplementary Figure 3

lentiviral tag	sample 1	sample 2	sample 3	sample 4	# of positive samples
1	■				1
2			■		1
3	■	■			2
4		■			1
5				■	1
6				■	1
7	■		■	■	3
8	■	■	■	■	4
9	■				1
10			■		1
11			■		1
12	■		■		2
13	■	■	■		3
14		■	■	■	3
15	■	■		■	3
16				■	1
17		■			1
18		■			1
19	■			■	2
20	■				1

total tags sequenced = 20

tags present in exactly 1 sample = 12

tags present in exactly 2 samples = 3

$$\hat{N} = S + \frac{(f_1)^2}{2 f_2}$$

$$\hat{N} = 20 + \frac{(12)^2}{2 \times 3}$$

$$\hat{N} = 44$$