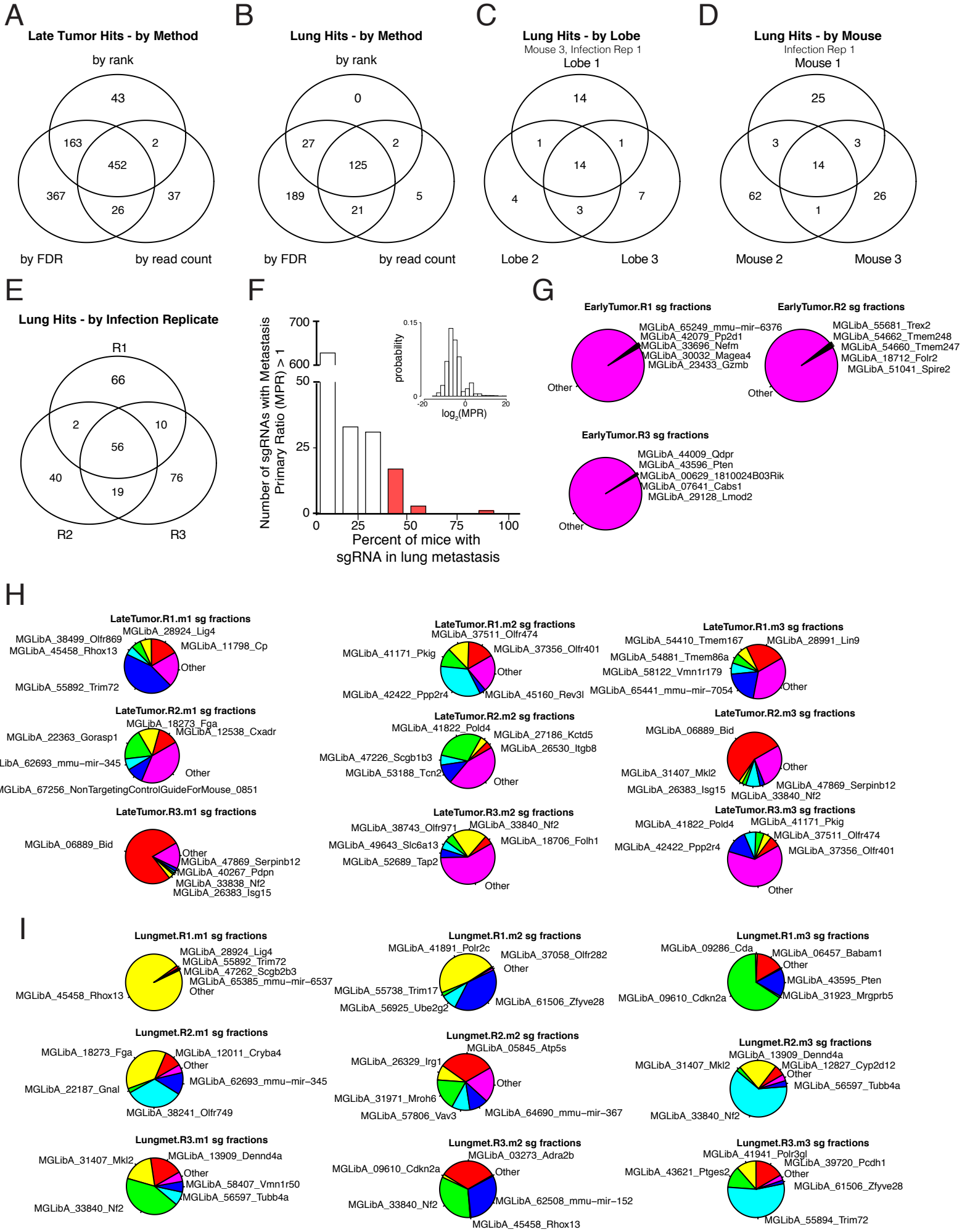
A
Late Tumor Hits - by Method
by rank
43
163
2
452
367
37
26
by FDR
by read count
B
Lung Hits - by Method
by rank
0
27
2
125
189
5
21
by FDR
by read count
C
Lung Hits - by Lobe
Mouse 3, Infection Rep 1
Lobe 1
14
1
1
14
4
7
3
Lobe 2
Lobe 3
D
Lung Hits - by Mouse
Infection Rep 1
Mouse 1
25
3
3
14
62
26
1
Mouse 2
Mouse 3
E
Lung Hits - by Infection Replicate
R1
66
2
10
56
40
76
19
R2
R3
F
Number of sgRNAs with Metastasis
Primary Ratio (MPR) > 1
700
600
50
25
0
0
25
50
75
100
Percent of mice with
sgRNA in lung metastasis
probability
0.15
0
-20
0
20
log2(MPR)
G
EarlyTumor.R1 sg fractions
MGLibA_65249_mmu−mir−6376
MGLibA_42079_Pp2d1
MGLibA_33696_Nefm
MGLibA_30032_Magea4
MGLibA_23433_Gzmb
Other
EarlyTumor.R2 sg fractions
MGLibA_55681_Trex2
MGLibA_54662_Tmem248
MGLibA_54660_Tmem247
MGLibA_18712_Folr2
MGLibA_51041_Spire2
Other
EarlyTumor.R3 sg fractions
MGLibA_44009_Qdpr
MGLibA_43596_Pten
MGLibA_00629_1810024B03Rik
MGLibA_07641_Cabs1
MGLibA_29128_Lmod2
Other
H
LateTumor.R1.m1 sg fractions
MGLibA_28924_Lig4
MGLibA_38499_Olfr869
MGLibA_45458_Rhox13
MGLibA_11798_Cp
Other
MGLibA_55892_Trim72
LateTumor.R1.m2 sg fractions
MGLibA_37511_Olfr474
MGLibA_41171_Pkig
MGLibA_37356_Olfr401
Other
MGLibA_42422_Ppp2r4
MGLibA_45160_Rev3l
LateTumor.R1.m3 sg fractions
MGLibA_54410_Tmem167
MGLibA_28991_Lin9
MGLibA_54881_Tmem86a
MGLibA_58122_Vmn1r179
MGLibA_65441_mmu−mir−7054
Other
LateTumor.R2.m1 sg fractions
MGLibA_18273_Fga
MGLibA_22363_Gorasp1
MGLibA_12538_Cxadr
MGLibA_62693_mmu−mir−345
Other
MGLibA_67256_NonTargetingControlGuideForMouse_0851
LateTumor.R2.m2 sg fractions
MGLibA_41822_Pold4
MGLibA_27186_Kctd5
MGLibA_26530_Itgb8
MGLibA_47226_Scgb1b3
MGLibA_53188_Tcn2
Other
LateTumor.R2.m3 sg fractions
MGLibA_06889_Bid
Other
MGLibA_31407_Mkl2
MGLibA_47869_Serpinb12
MGLibA_26383_Isg15
MGLibA_33840_Nf2
LateTumor.R3.m1 sg fractions
MGLibA_06889_Bid
Other
MGLibA_47869_Serpinb12
MGLibA_40267_Pdpn
MGLibA_33838_Nf2
MGLibA_26383_Isg15
LateTumor.R3.m2 sg fractions
MGLibA_38743_Olfr971
MGLibA_33840_Nf2
MGLibA_49643_Slc6a13
MGLibA_18706_Folh1
MGLibA_52689_Tap2
Other
LateTumor.R3.m3 sg fractions
MGLibA_41822_Pold4
MGLibA_41171_Pkig
MGLibA_37511_Olfr474
MGLibA_42422_Ppp2r4
MGLibA_37356_Olfr401
Other
I
Lungmet.R1.m1 sg fractions
MGLibA_28924_Lig4
MGLibA_55892_Trim72
MGLibA_47262_Scgb2b3
MGLibA_65385_mmu−mir−6537
Other
MGLibA_45458_Rhox13
Lungmet.R1.m2 sg fractions
MGLibA_41891_Polr2c
MGLibA_37058_Olfr282
Other
MGLibA_55738_Trim17
MGLibA_61506_Zfyve28
MGLibA_56925_Ube2g2
Lungmet.R1.m3 sg fractions
MGLibA_09286_Cda
MGLibA_06457_Babam1
Other
MGLibA_43595_Pten
MGLibA_31923_Mrgprb5
MGLibA_09610_Cdkn2a
Lungmet.R2.m1 sg fractions
MGLibA_18273_Fga
MGLibA_12011_Cryba4
Other
MGLibA_62693_mmu−mir−345
MGLibA_22187_Gnal
MGLibA_38241_Olfr749
Lungmet.R2.m2 sg fractions
MGLibA_05845_Atp5s
MGLibA_26329_Irg1
Other
MGLibA_31971_Mroh6
MGLibA_64690_mmu−mir−367
MGLibA_57806_Vav3
Lungmet.R2.m3 sg fractions
MGLibA_13909_Dennd4a
MGLibA_31407_Mkl2
MGLibA_12827_Cyp2d12
Other
MGLibA_56597_Tubb4a
MGLibA_33840_Nf2
Lungmet.R3.m1 sg fractions
MGLibA_31407_Mkl2
MGLibA_13909_Dennd4a
Other
MGLibA_58407_Vmn1r50
MGLibA_56597_Tubb4a
MGLibA_33840_Nf2
Lungmet.R3.m2 sg fractions
MGLibA_03273_Adra2b
MGLibA_09610_Cdkn2a
Other
MGLibA_33840_Nf2
MGLibA_62508_mmu−mir−152
MGLibA_45458_Rhox13
Lungmet.R3.m3 sg fractions
MGLibA_41941_Polr3gl
MGLibA_39720_Pcdh1
MGLibA_43621_Ptges2
Other
MGLibA_61506_Zfyve28
MGLibA_55894_Trim72

Figure S4