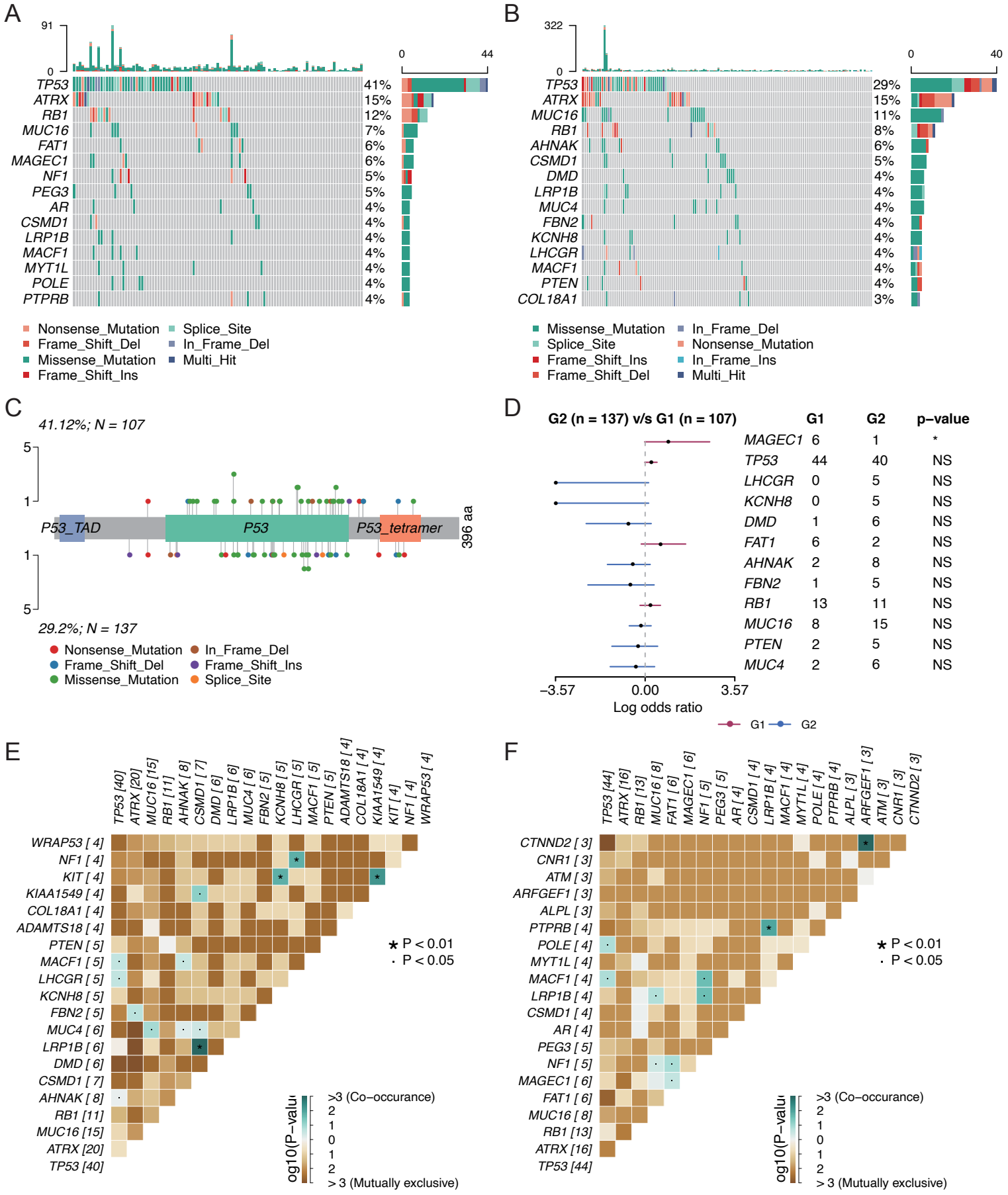
A
91
0
0
44
TP53 41%
ATRX 15%
RB1 12%
MUC16 7%
FAT1 6%
MAGEC1 6%
NF1 5%
PEG3 5%
AR 4%
CSMD1 4%
LRP1B 4%
MACF1 4%
MYT1L 4%
POLE 4%
PTPRB 4%
Nonsense_Mutation
Frame_Shift_Del
Missense_Mutation
Frame_Shift_Ins
Splice_Site
In_Frame_Del
Multi_Hit
B
322
0
0
40
TP53 29%
ATRX 15%
MUC16 11%
RB1 8%
AHNAK 6%
CSMD1 5%
DMD 4%
LRP1B 4%
MUC4 4%
FBN2 4%
KCNH8 4%
LHCGR 4%
MACF1 4%
PTEN 4%
COL18A1 3%
Missense_Mutation
Splice_Site
Frame_Shift_Ins
Frame_Shift_Del
In_Frame_Del
Nonsense_Mutation
In_Frame_Ins
Multi_Hit
C
41.12%; N = 107
5
1
P53_TAD
P53
P53_tetramer
396 aa
1
5
29.2%; N = 137
Nonsense_Mutation
Frame_Shift_Del
Missense_Mutation
In_Frame_Del
Frame_Shift_Ins
Splice_Site
D
G2 (n = 137) v/s G1 (n = 107)
G1
G2
p–value
MAGEC1 6 1 *
TP53 44 40 NS
LHCGR 0 5 NS
KCNH8 0 5 NS
DMD 1 6 NS
FAT1 6 2 NS
AHNAK 2 8 NS
FBN2 1 5 NS
RB1 13 11 NS
MUC16 8 15 NS
PTEN 2 5 NS
MUC4 2 6 NS
–3.57
0.00
3.57
Log odds ratio
G1
G2
E
TP53 [40]
ATRX [20]
MUC16 [15]
RB1 [11]
AHNAK [8]
CSMD1 [7]
DMD [6]
LRP1B [6]
MUC4 [6]
FBN2 [5]
KCNH8 [5]
LHCGR [5]
MACF1 [5]
PTEN [5]
ADAMTS18 [4]
COL18A1 [4]
KIAA1549 [4]
KIT [4]
NF1 [4]
WRAP53 [4]
* P < 0.01
· P < 0.05
og10(P–valu
>3 (Co–occurance)
2
1
0
1
2
> 3 (Mutually exclusive)
F
TP53 [44]
ATRX [16]
RB1 [13]
MUC16 [8]
FAT1 [6]
MAGEC1 [6]
NF1 [5]
PEG3 [5]
AR [4]
CSMD1 [4]
LRP1B [4]
MACF1 [4]
MYT1L [4]
POLE [4]
PTPRB [4]
ALPL [3]
ARFGEF1 [3]
ATM [3]
CNR1 [3]
CTNND2 [3]
* P < 0.01
· P < 0.05
og10(P–valu
>3 (Co–occurance)
2
1
0
1
2
> 3 (Mutually exclusive)