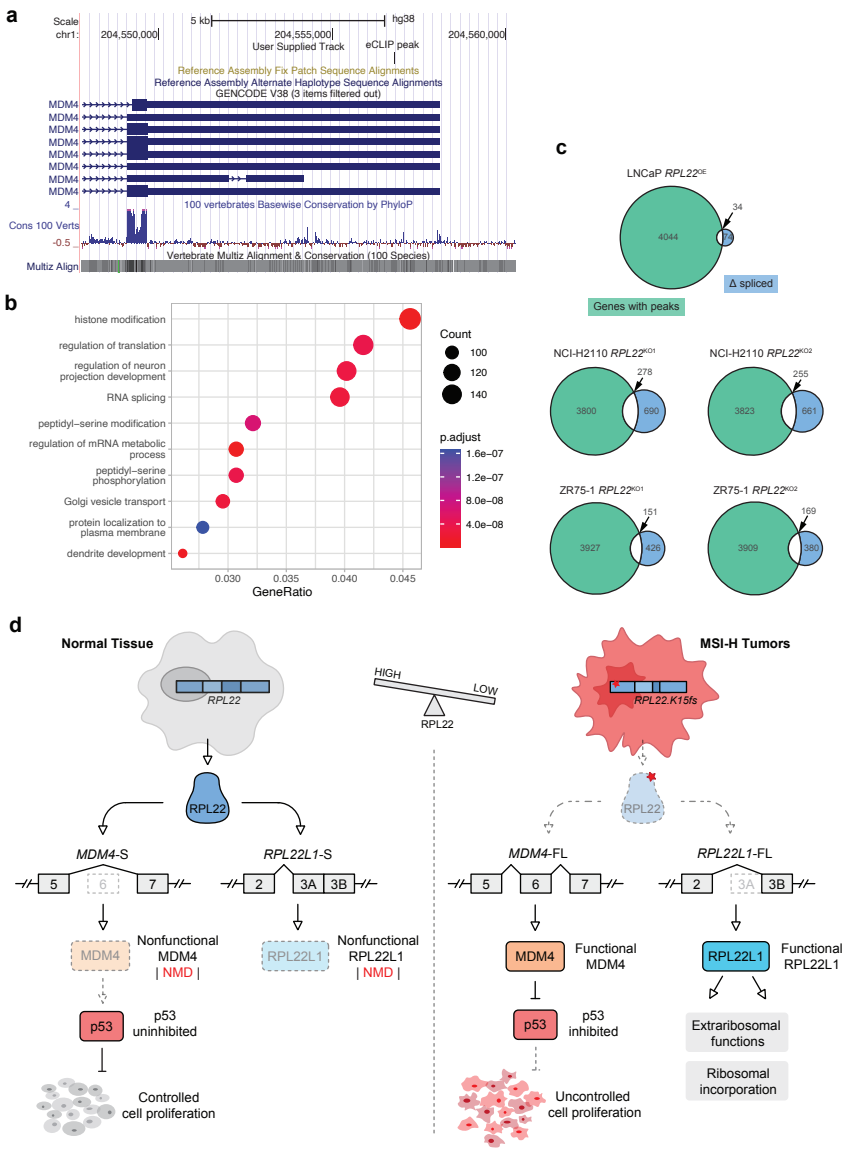
a
Scale
chr1:
5 kb
hg38
204,550,000
204,555,000
204,560,000
User Supplied Track
eCLIP peak
Reference Assembly Fix Patch Sequence Alignments
Reference Assembly Alternate Haplotype Sequence Alignments
GENCODE V38 (3 items filtered out)
MDM4
100 vertebrates Basewise Conservation by PhyloP
Cons 100 Verts
Vertebrate Multiz Alignment & Conservation (100 Species)
Multiz Align
b
histone modification
regulation of translation
regulation of neuron projection development
RNA splicing
peptidyl−serine modification
regulation of mRNA metabolic process
peptidyl−serine phosphorylation
Golgi vesicle transport
protein localization to plasma membrane
dendrite development
0.030
0.035
0.040
0.045
GeneRatio
Count
100
120
140
p.adjust
1.6e−07
1.2e−07
8.0e−08
4.0e−08
c
LNCaP RPL22OE
4044
34
Δ spliced
Genes with peaks
NCI-H2110 RPL22KO1
3800
278
690
NCI-H2110 RPL22KO2
3823
255
661
ZR75-1 RPL22KO1
3927
151
426
ZR75-1 RPL22KO2
3909
169
380
d
Normal Tissue
RPL22
HIGH
LOW
RPL22
MSI-H Tumors
RPL22.K15fs
RPL22
MDM4-S
RPL22L1-S
MDM4-FL
RPL22L1-FL
Nonfunctional MDM4
| NMD |
Nonfunctional RPL22L1
| NMD |
p53 uninhibited
Controlled cell proliferation
Functional MDM4
p53 inhibited
Uncontrolled cell proliferation
Functional RPL22L1
Extraribosomal functions
Ribosomal incorporation