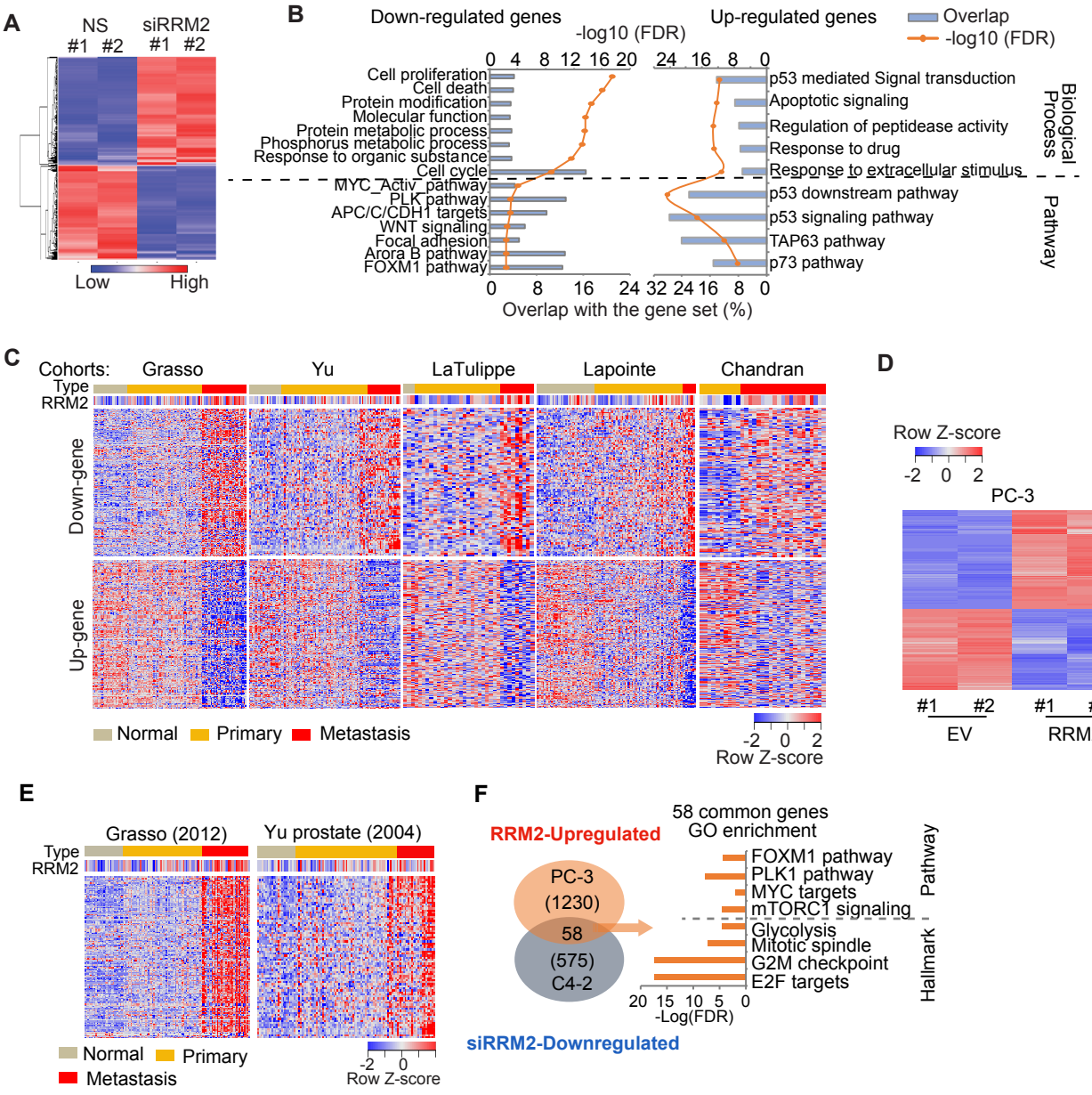
Figure S4


A
NS
siRRM2
#1 #2
#1 #2
Low
High
B
Down-regulated genes
-log10 (FDR)
Up-regulated genes
Overlap
-log10 (FDR)
Cell proliferation
Cell death
Protein modification
Molecular function
Protein metabolic process
Phosphorus metabolic process
Response to organic substance
Cell cycle
MYC_Activ_pathway
PLK pathway
APC/C/CDH1 targets
WNT signaling
Focal adhesion
Arora B pathway
FOXM1 pathway
p53 mediated Signal transduction
Apoptotic signaling
Regulation of peptidease activity
Response to drug
Response to extracellular stimulus
p53 downstream pathway
p53 signaling pathway
TAP63 pathway
p73 pathway
Biological Process
Pathway
Overlap with the gene set (%)
C
Cohorts:
Grasso
Yu
LaTulippe
Lapointe
Chandran
Type
RRM2
Down-gene
Up-gene
Normal
Primary
Metastasis
Row Z-score
D
Row Z-score
PC-3
#1 #2 #1 #2
EV
RRM2
E
Grasso (2012)
Yu prostate (2004)
Type
RRM2
Normal
Primary
Metastasis
Row Z-score
F
58 common genes
GO enrichment
RRM2-Upregulated
PC-3
(1230)
58
(575)
C4-2
siRRM2-Downregulated
FOXM1 pathway
PLK1 pathway
MYC targets
mTORC1 signaling
Glycolysis
Mitotic spindle
G2M checkpoint
E2F targets
Pathway
Hallmark
-Log(FDR)