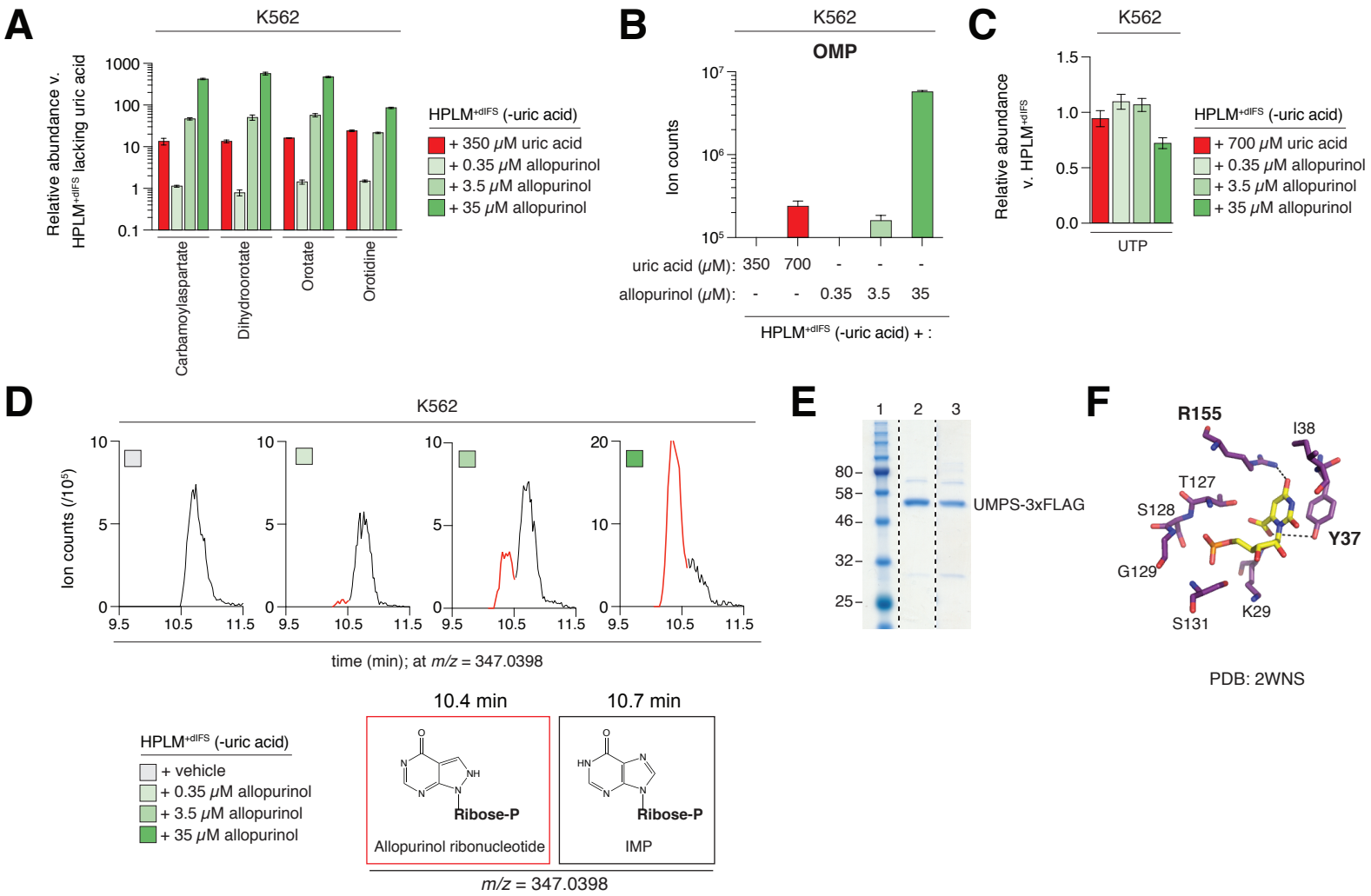
Figure S6


A
K562
Relative abundance v. HPLM+dIFS lacking uric acid
1000
100
10
1
0.1
Carbamoylaspartate
Dihydroorotate
Orotate
Orotidine
HPLM+dIFS (-uric acid)
+ 350 μM uric acid
+ 0.35 μM allopurinol
+ 3.5 μM allopurinol
+ 35 μM allopurinol
B
K562
OMP
Ion counts
10^7
10^6
10^5
uric acid (μM): 350 700 - - -
allopurinol (μM): - - 0.35 3.5 35
HPLM+dIFS (-uric acid) + :
C
K562
Relative abundance v. HPLM+dIFS
1.5
1.0
0.5
0.0
UTP
HPLM+dIFS (-uric acid)
+ 700 μM uric acid
+ 0.35 μM allopurinol
+ 3.5 μM allopurinol
+ 35 μM allopurinol
D
K562
Ion counts (/10^5)
time (min); at m/z = 347.0398
HPLM+dIFS (-uric acid)
+ vehicle
+ 0.35 μM allopurinol
+ 3.5 μM allopurinol
+ 35 μM allopurinol
10.4 min
10.7 min
Ribose-P
Allopurinol ribonucleotide
IMP
m/z = 347.0398
E
1 2 3
80
58
46
32
25
UMPS-3xFLAG
F
R155
I38
T127
S128
Y37
G129
S131
K29
PDB: 2WNS