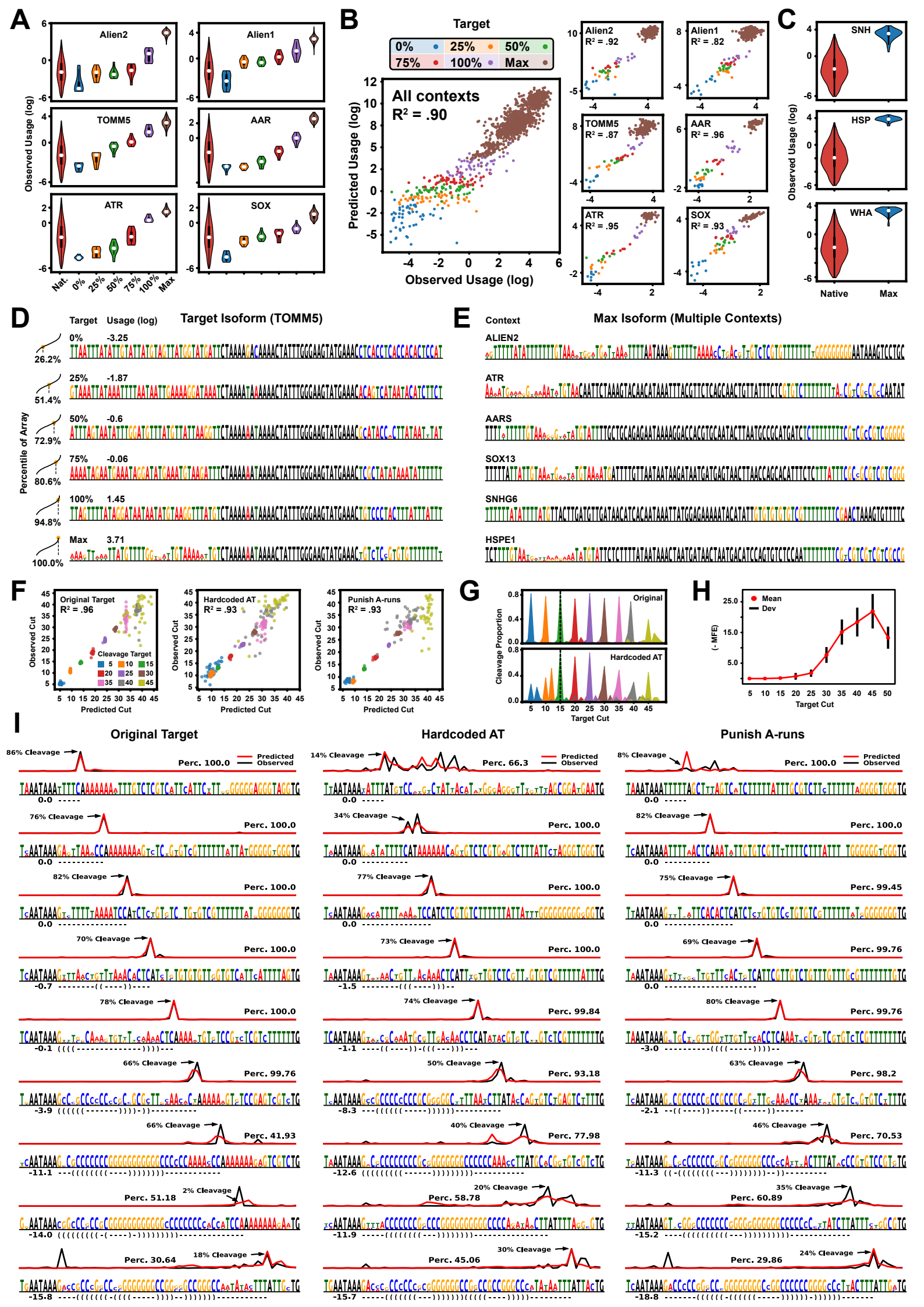
A
Alien2
Alien1
TOMM5
AAR
ATR
SOX
Observed Usage (log)
Nat.
0%
25%
50%
75%
100%
Max
B
Target
0%
25%
50%
75%
100%
Max
All contexts
R² = .90
Predicted Usage (log)
Observed Usage (log)
Alien2 R² = .92
Alien1 R² = .82
TOMM5 R² = .87
AAR R² = .96
ATR R² = .95
SOX R² = .93
C
SNH
HSP
WHA
Observed Usage (log)
Native
Max
D
Target Isoform (TOMM5)
Target
Usage (log)
0%
-3.25
25%
-1.87
50%
-0.6
75%
-0.06
100%
1.45
Max
3.71
26.2%
51.4%
72.9%
80.6%
94.8%
100.0%
Percentile of Array
E
Max Isoform (Multiple Contexts)
Context
ALIEN2
ATR
AARS
SOX13
SNHG6
HSPE1
F
Original Target
R² = .96
Hardcoded AT
R² = .93
Punish A-runs
R² = .93
Cleavage Target
Observed Cut
Predicted Cut
G
Original
Hardcoded AT
Cleavage Proportion
Target Cut
H
Mean
Dev
(- MFE)
Target Cut
I
Original Target
Hardcoded AT
Punish A-runs
Predicted
Observed
86% Cleavage
Perc. 100.0
14% Cleavage
Perc. 66.3
8% Cleavage
Perc. 100.0
76% Cleavage
Perc. 100.0
34% Cleavage
Perc. 100.0
82% Cleavage
Perc. 100.0
82% Cleavage
Perc. 100.0
77% Cleavage
Perc. 100.0
75% Cleavage
Perc. 99.45
70% Cleavage
Perc. 100.0
73% Cleavage
Perc. 100.0
69% Cleavage
Perc. 99.76
78% Cleavage
Perc. 100.0
74% Cleavage
Perc. 99.84
80% Cleavage
Perc. 99.76
66% Cleavage
Perc. 99.76
50% Cleavage
Perc. 93.18
63% Cleavage
Perc. 98.2
66% Cleavage
Perc. 41.93
40% Cleavage
Perc. 77.98
46% Cleavage
Perc. 70.53
2% Cleavage
Perc. 51.18
20% Cleavage
Perc. 58.78
35% Cleavage
Perc. 60.89
18% Cleavage
Perc. 30.64
30% Cleavage
Perc. 45.06
24% Cleavage
Perc. 29.86