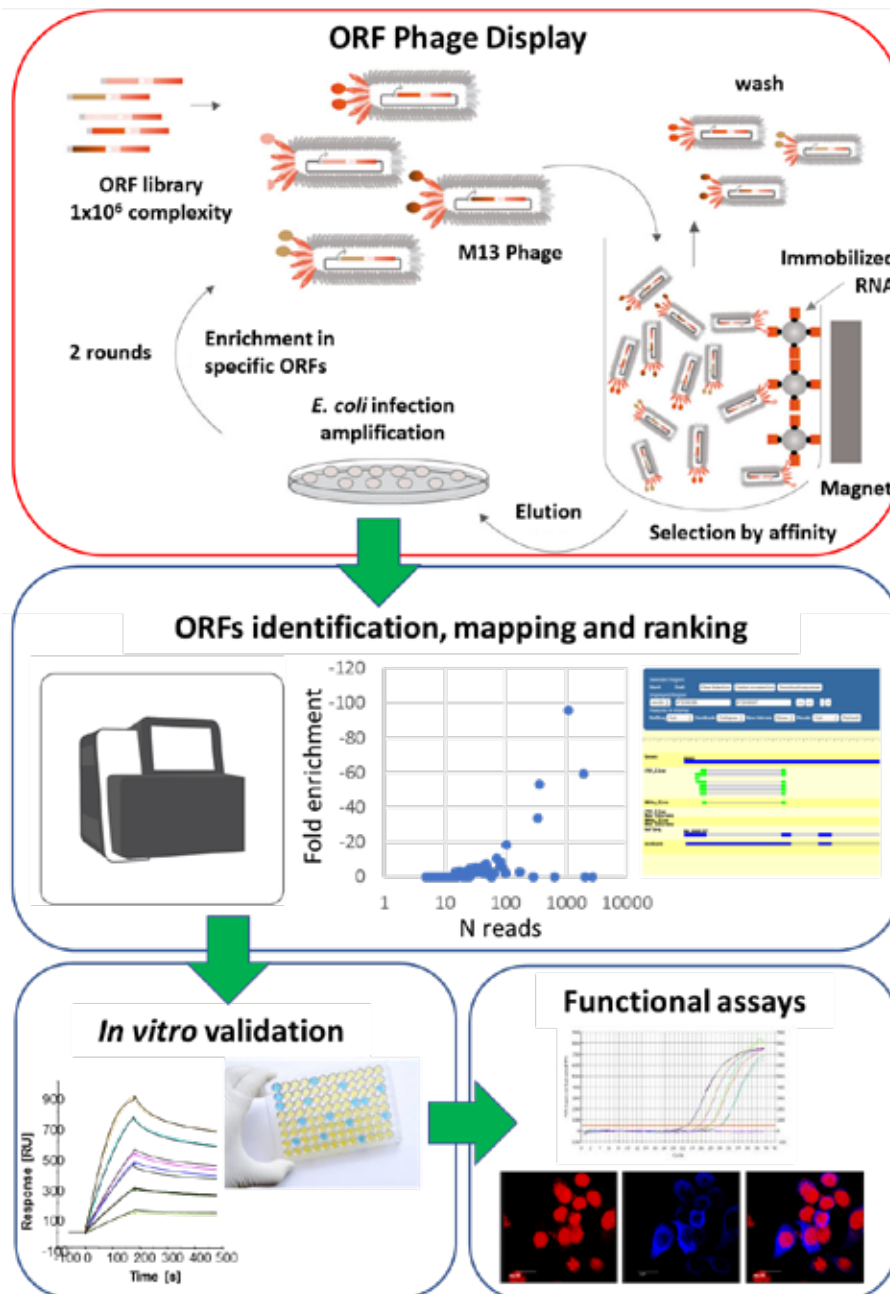
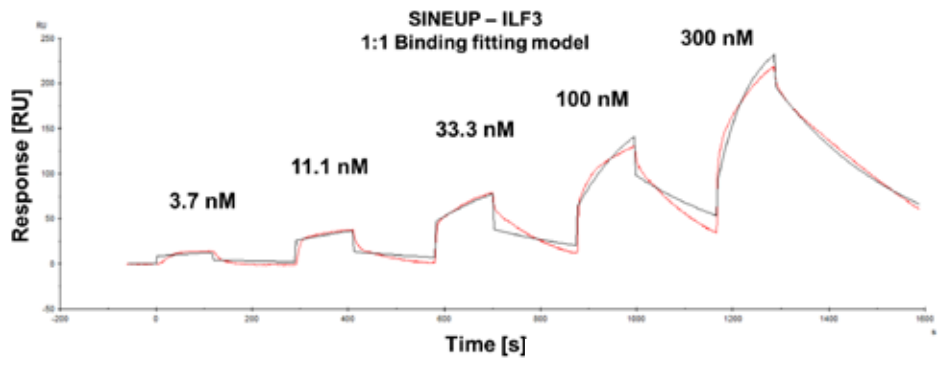


!''##\$%&'()\*+,-./''\*%,01,23%\*3.%4,56,(7%,89:5&%,(%;7'5\$5/+,#\$(65\*&1,,  
<=,!''#\$%&'()\*#\$(+,-.(\*/(012131\$(-\$3"+##\$,#4\$13#516\$789\$*Selection of interacting ORFs on a target RNA*: \$'215.;420<\$5";<#1\$;+#\$/" ;..#0<#=\$\*23"\$;\$>2(3204.;3#=\$% ?@\$>;23\$3"+(A<"\$3\*(\$/4/.#1\$(-\$1#.#/32(O\$;0=\$; )5.2-2/;32(O:\$7B9\$*Sequencing of the selected inserts and ranking of reads*:\$C%D\$201#31\$;+#\$+##/(E#+#=\$-( )\$3"# \$1#.#/3#=\$.2>;+2#1F\$1#GA#0/#=\$>4\$ ?HIF\$+;0,#=\$;0=\$1/(+#=\$;/(+=20<\$3(\$3"#2+\$-+#GA#0/4:\$7J9\$*Recovery and validation of the top ranking ORFs*.\$K2<"L1/(+20<\$C%D1\$;+#\$+##L/(O#=\$-( )\$3"#\$.2>;+4\$>4\$2OE#+1#MN%F\$;0=\$3"#2+\$2O3#+/;32(O1\$;+#E\$;.2=;3#=\$>4\$OP&I@\$+(3"#+;\$;11;41:\$ \$!''##\$%&'()\*+,-./''\*%,>1,!.' /\$%?;+;\$%,@.'%(.;A,)' )\$+A.A,56,!9BCDE,8B<,F,9G-H,.'(%\*);(5':\$ !"#+\$#1A.320<\$1#O1(+<; )\$7+##\$.20#9\$;-3#+#=(A>.#L+##-#+#0/20<\$71A>3+;/32(O\$(-\$12<O;.\$-( )\$3"##+##-#+#0/#1A+;/#;\$0=\$QR#+(\$1; )5.#\$/(O/#O3+;32(OSS/(O3+(.\$/4/.#9F\$-233#=\$;/(+=20<\$;\$868\$>20=20<\$)(=#.:T.;/, \$ .20#+\$#5+#1#O31\$3"#3"#(+#32/;.-233#=\$/A+E#:\$ \$!''##\$%&'()\*+,-./''\*%,H1,9G-H,I.'J.' /,)' )\$+A.A,6\*5&,CBK2:C,%KG9E,J)()\$.',7''&)',LMN>, ;%\$A1,7<9\$I&?O1\$/.;11\$21\$3"#\$( )13\$-+#GA#O3\$;0=\$#O+2/"#=\$/.;11\$(-\$+#5#;31\$20\$(E#+.;5\$\*23"\$&PDJ\$5#; ,1:\$ 7O9\$!"#\$1; )#\$;0; .4121\$21\$/;+2#=\$ (A3\$ (O\$I&?O1\$-; )2.2#1\$7520,9\$;0=\$1A>-; )2.2#1\$7/4;09:\$OO+2/" )#O31\$ ;+#\$ )#;1A+#=\$\*23"\$+15#/#3\$(\$3"##\$<#O( )2/\$;E#+;<#+\$#1A.320<\$+-( )\$+;0=( )2R;32(O1\$;0=\$;+#\$;55+##/2;>.#\$ (O\$3"#S\$U\$;V#1:\$P;+<#+\$/.;11W-; )2.2#1W1A>-; )2.2#1\$;+#\$ (O\$3"##\$+2<"3:\$OO+2/" )#O31\$;+#\$1" (\*O\$;1\$E; .A#1\$ ;>(E#\$R#+(\$\* "2.#\$=#5.#32(O1\$;+#\$>#.( \*:\$7K9, !"# \$OA )>#+\$1(-\$5#; ,1\$20\$ I&?OL/(O3;2020<\$#V(O1\$;+#\$ =215.;4#=\$;/(+=20<\$3(\$=2--#+#O3\$/.;11#1\$(-\$/ (=20<\$;0=\$O(OL/(=20<\$#V(O1:\$7:9\$C+<;O2R;32(O\$(-\$3"# \$ I@I\$5;2+\$;11(/2;3#=\$3(\$3"#\$/ (=20<\$<#O#\$XH'K\$\*" (1#\$;O321#O1#\$/ (O3;201\$;O\$# )>#=#=\$2OE#+3#=\$ @.AY>\$#.# )#O3\$>(AO=\$>4\$&PDJ\$-( )\$3"##\$NP&M\$=;3;:PC=\$H#O( )2/\$(+<;O2R;32(O\$(-\$3"#XH'K\$.(/A1\$ 7N"+Z6J[FZ[\FB]]LJ[F^[^F\Z^9\$+-( )\$3"# \$OO1# )>.\$<#O( )#\$>+( \*1#+:\$!"#\$3+;/,\$1" (\*20<\$);5520<\$(-\$ I&?O1\$21\$20\$<+#4\$\* "#+##;1\$&PDJ\$5#; ,1F.( ;=#=\$;1\$/A13( )\$3+;/,F\$;+#\$20\$>.;/;.\$, !''##\$%&'()\*+,-./''\*%,Q1,9G-H,R#\*%AA.5',)'J,@'5;@%J?J54',.,',SCL,>THUV0W1\$7<9\$OO=(<#O(A1\$ &PDJ\$OA/.#;+\$.(/;.2R;32(O\$\* ;1\$;11#11#=\$>4\$2) )AO(-.A(+1/#O/#\$\*23"\$;O32L' %TM\\_7&PDJ9\$;O32>(=4\$ 20\$KO`\$B[J!W8\\$\* "2.#\$ 'YL8\$2) )AO(13;2020<\$\* ;1\$/;+2#=\$ (A3\$;1\$/ (O3+(.\$-(\$;SO(OLOA/.#;+ \$#O+2/"#=\$ 5+(3#20:\$7O9\$OO=(<#O(A1\$&PDJ\$\* ;1\$12.#O/#=\$\*23"\$3;+<#3\$15#/2-2/\$12% ?@\$;0=\$/(O3+(.12% ?@\$20\$KO`\$ B[J!W8\:\$ \$

A

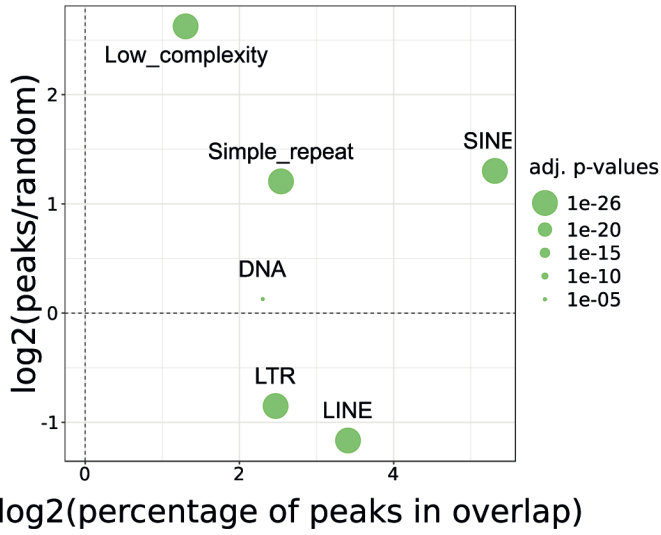


A

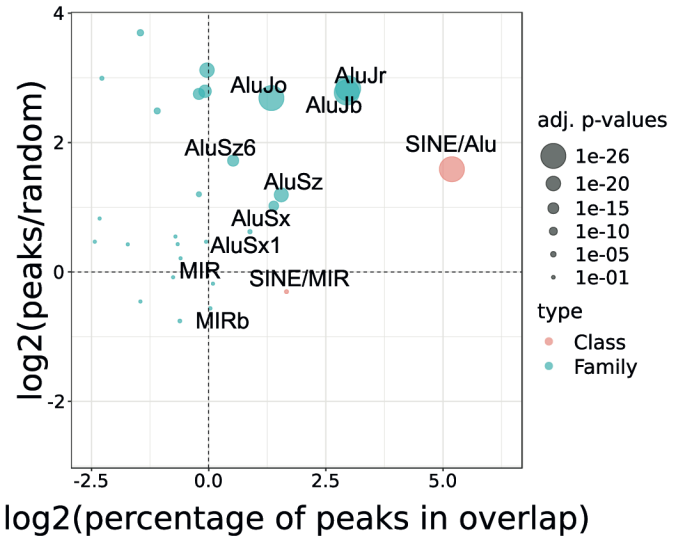


Supplementary Figure 3

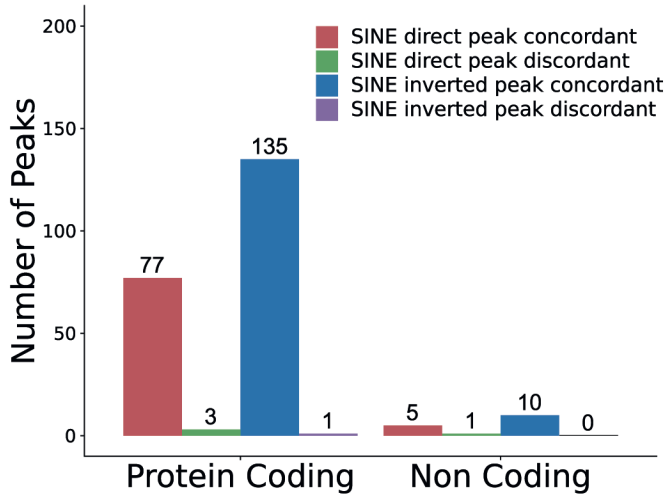
A



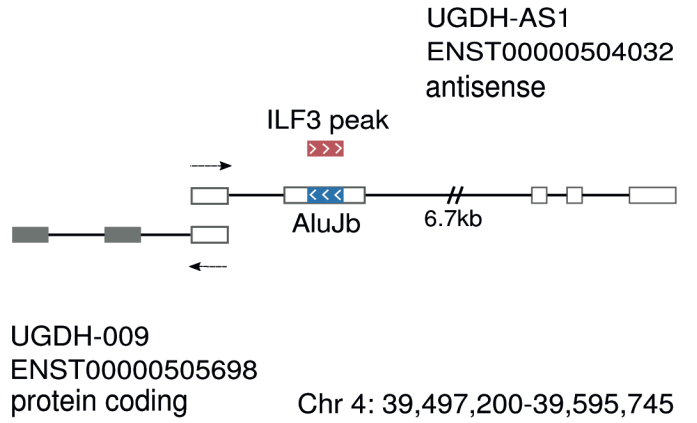
B



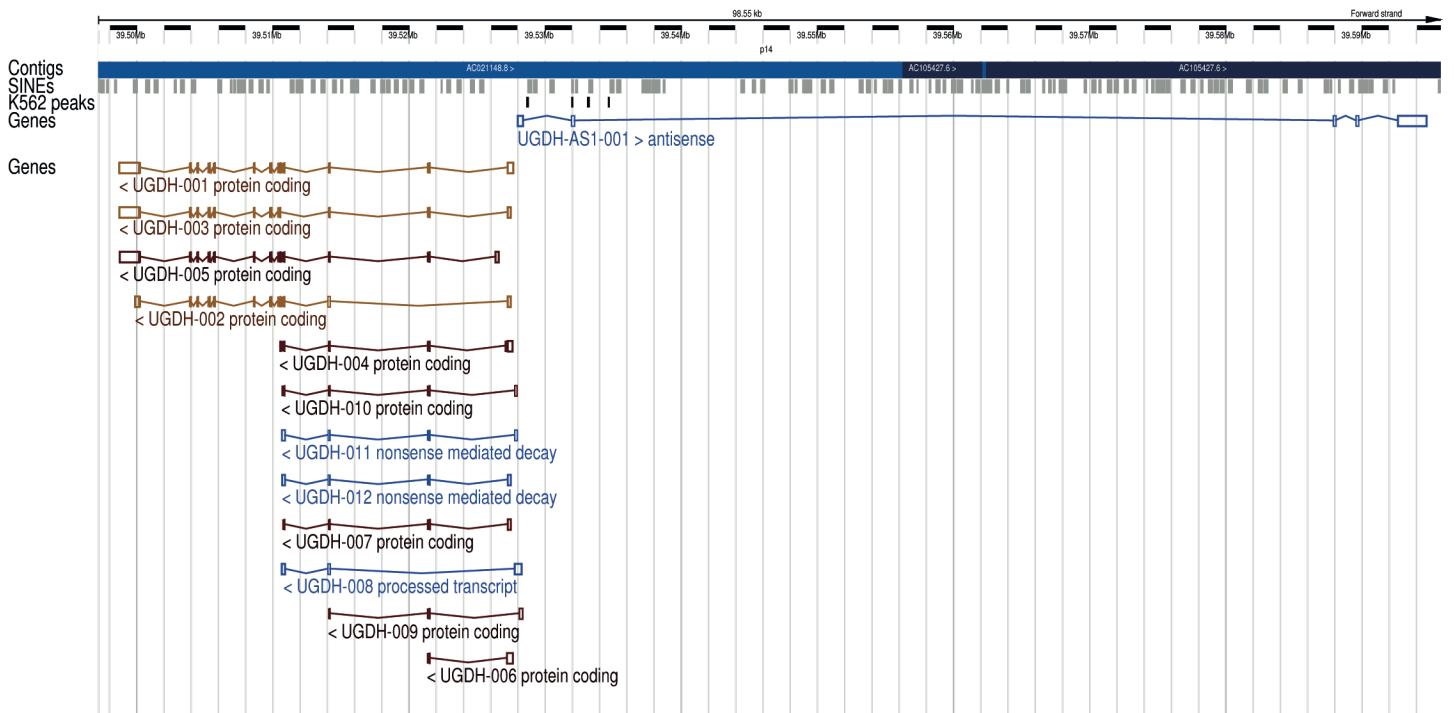
C



D

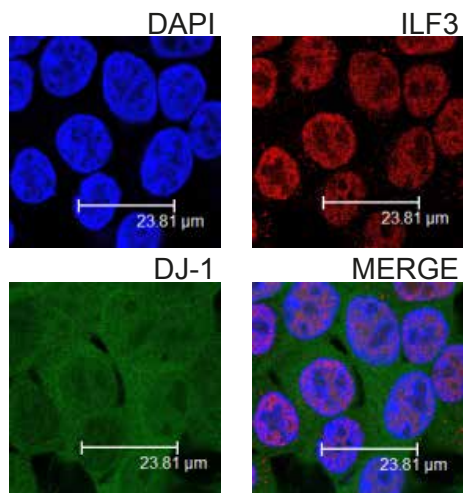


E



Supplementary Figure 4

A



B

