

Luciferase measurement data from Figure 2d

	EV7-wt	Loop	PTC	mAUG	StrUP	StrUP-PTC	2A-stop (NC)	n = 3
FF-bkg								
#1	8067	13083	13258	2249	13494	13824	84	
#2	8122	11296	13007	1980	11761	13050	84	
#3	9517	11507	12873	1759	13232	13715	110	
RL-bkg								
#1	24749	34268	39851	41042	51331	52094	80354	
#2	24673	34904	40032	40210	47449	49232	72713	
#3	27128	32714	42168	37799	46512	52577	67824	
FF/RL								
#1	0.3260	0.3818	0.3327	0.0548	0.2629	0.2654	0.0010	
#2	0.3292	0.3236	0.3249	0.0492	0.2479	0.2651	0.0012	
#3	0.3508	0.3517	0.3053	0.0465	0.2845	0.2609	0.0016	
FF/RL mean	0.3353	0.3524	0.3210	0.0502	0.2651	0.2638	0.0013	
FF/RL SD	0.0135	0.0291	0.0141	0.0042	0.0184	0.0025	0.0003	
IRES activity, %	100.0	105.1	95.7	15.0	79.1	78.7	0.4	
SD	4.0	8.7	4.2	1.3	5.5	0.8	0.09	

Luciferase measurement data from Figure 6e-f

NC (Negative Control): 2A-stop (stop codon introduced before FFLuc in both ORFs)

3 hpt	not infected	n	IRES	cap	IRES/cap	ppORF/uORF	ppORF/uORF	n = 6
			FF-bkg	RL-bkg	FF/RL	mean	SD	
IRES-ppORF		1	37041	484731	0.07642	12.64		
		2	34777	476957	0.07291	12.23		
		3	34773	465106	0.07476	11.86	11.86	0.50
		4	32136	449960	0.07142	11.65		
		5	33260	459279	0.07242	11.35		
		6	35915	485611	0.07396	11.39		
IRES-uORF		1	3380	559090	0.00605			
		2	3482	584274	0.00596			
		3	3498	555132	0.00630			
		4	3170	517291	0.00613			
		5	3752	587799	0.00638			
		6	3374	519819	0.00649	signal/ORF	n = 3	
IRES-ppORF NC		1	224	774701	0.00029	0.0039		
		2	178	709994	0.00025	0.0034		
		3	214	765378	0.00028	0.0038		
IRES-uORF NC		1	652	625990	0.00104	0.17		
		2	588	616949	0.00095	0.15		
		3	548	616855	0.00089	0.14		

3 hpt	infected	n	IRES	cap	IRES/cap	ppORF/uORF	ppORF/uORF	n = 6
			FF-bkg	RL-bkg	FF/RL	mean	SD	
IRES-ppORF		1	110239	157996	0.69773	24.60		
		2	100644	155177	0.64858	21.62		
		3	92597	151233	0.61228	17.72	20.14	2.55
		4	93163	153331	0.60759	18.76		
		5	89623	154762	0.57910	18.62		
		6	87620	149135	0.58752	19.52		
IRES-uORF		1	5044	177856	0.02836			
		2	4746	158189	0.03000			
		3	5532	160137	0.03455			
		4	5378	166072	0.03238			
		5	5196	167048	0.03110			
		6	5026	166945	0.03011	signal/ORF	n = 3	
IRES-ppORF NC		1	501	207052	0.00242	0.0039		
		2	569	216978	0.00262	0.0042		
		3	615	224732	0.00274	0.0044		
IRES-uORF NC		1	1347	190958	0.00705	0.23		
		2	1399	182686	0.00766	0.25		
		3	1377	185504	0.00742	0.24		

6 hpt	not infected	n	IRES	cap	IRES/cap	ppORF/uORF	ppORF/uORF	n = 6
			FF-bkg	RL-bkg	FF/RL	mean	SD	
IRES-ppORF		1	51270	502471	0.10204	13.06		
		2	50518	480531	0.10513	14.51		
		3	50037	484038	0.10337	12.72	13.89	1.04
		4	51428	466946	0.11014	13.79		
		5	56596	468766	0.12073	15.59		
		6	50109	469368	0.10676	13.65		
IRES-uORF		1	3895	498584	0.00781			
		2	3807	525428	0.00725			
		3	3709	456364	0.00813			
		4	3577	447851	0.00799			
		5	3809	491876	0.00774			
		6	3771	482007	0.00782	signal/ORF	n = 3	
IRES-ppORF NC		1	217	655593	0.00033	0.0031		
		2	201	645203	0.00031	0.0029		
		3	233	670679	0.00035	0.0032		
IRES-uORF NC		1	815	618327	0.00132	0.17		
		2	793	588577	0.00135	0.17		
		3	801	635167	0.00126	0.16		

6 hpt	infected	n	IRES	cap	IRES/cap	ppORF/uORF	ppORF/uORF	n = 6
			FF-bkg	RL-bkg	FF/RL	mean	SD	
IRES-ppORF		1	299902	112103	2.67524	25.45		
		2	294808	120601	2.44449	23.52		
		3	282333	116265	2.42836	20.62	22.94	2.23
		4	283958	124990	2.27185	20.02		
		5	293082	119426	2.45409	23.04		
		6	319161	128332	2.48699	25.00		
IRES-uORF		1	12387	117828	0.10513			
		2	11961	115100	0.10392			
		3	13131	111513	0.11775			
		4	12279	108207	0.11348			
		5	12281	115315	0.10650			
		6	11530	115883	0.09950	signal/ORF	n = 3	
IRES-ppORF NC		1	1235	151745	0.00814	0.0033		
		2	1401	148205	0.00945	0.0038		
		3	1353	151235	0.00895	0.0036		
IRES-uORF NC		1	4173	140949	0.02961	0.27		
		2	4195	141497	0.02965	0.28		
		3	4037	137781	0.02930	0.27		

9 hpt	not infected	n	IRES	cap	IRES/cap	ppORF/uORF	ppORF/uORF	n = 6
			FF-bkg	RL-bkg	FF/RL	mean	SD	
IRES-ppORF		1	35224	205930	0.17105	15.90		
		2	35837	194682	0.18408	17.78		
		3	35224	212861	0.16548	14.63	15.96	1.07
		4	38680	204254	0.18937	16.43		
		5	38117	222618	0.17122	15.48		
		6	38203	205418	0.18598	15.54		
IRES-uORF		1	2196	204145	0.01076			
		2	2082	201092	0.01035			
		3	2304	203745	0.01131			
		4	2258	195930	0.01152			
		5	2530	228786	0.01106			
		6	2716	226884	0.01197	signal/ORF	n = 3	
IRES-ppORF NC		1	114	231293	0.00049	0.0028		
		2	122	260675	0.00047	0.0026		
		3	132	270523	0.00049	0.0027		
IRES-uORF NC		1	446	269947	0.00165	0.15		
		2	438	263203	0.00166	0.15		
		3	412	286905	0.00144	0.13		

9 hpt	infected	n	IRES	cap	IRES/cap	ppORF/uORF	ppORF/uORF	n = 6
			FF-bkg	RL-bkg	FF/RL	mean	SD	
IRES-ppORF		1	291030	50285	5.78761	24.45		
		2	280233	50580	5.54039	24.43		
		3	293852	54065	5.43516	21.15	23.05	1.73
		4	277057	56362	4.91567	20.56		
		5	267315	51416	5.19906	23.75		
		6	293263	54013	5.42949	23.94		
IRES-uORF		1	11134	47037	0.23671			
		2	11026	48621	0.22677			
		3	11570	45021	0.25699			
		4	11851	49565	0.23910			
		5	11222	51272	0.21887			
		6	11488	50662	0.22676	signal/ORF	n = 3	
IRES-ppORF NC		1	953	59268	0.01608	0.0030		
		2	991	62701	0.01581	0.0029		
		3	997	61860	0.01612	0.0030		
IRES-uORF NC		1	3115	64860	0.04803	0.21		
		2	3297	69307	0.04757	0.20		
		3	2887	61238	0.04714	0.20		

12 hpt	not infected	n	IRES	cap	IRES/cap	ppORF/uORF	ppORF/uORF	n = 6
			FF-bkg	RL-bkg	FF/RL	mean	SD	
IRES-ppORF		1	23917	86455	0.27664	19.15		
		2	18729	70331	0.26630	16.82		
		3	17210	70774	0.24317	14.65	16.98	1.78
		4	19766	79935	0.24728	15.61		
		5	17059	69460	0.24559	18.93		
		6	16149	63409	0.25468	16.70		
IRES-uORF		1	990	68514	0.01445			
		2	1238	78216	0.01583			
		3	1100	66285	0.01660			
		4	968	61114	0.01584			</