

External_name	Internal_ID	Internal_name	Plasmid	5'	Promotor	Leader	AUR	Riboswitch	TDR	RBS	Reporter - 3'		
						decoupling_sequence							
Pos	R326	TS-U8SDPos	pRSF1030Tp		ara-Promotor	A			TTTTTTTT	GAATTCAGTGCAGA	AGGAGATATACCC	eGFP	
LH1-Pos	R323	L-U8SDPos	pRSF1030Tp		ara-Promotor	ACCCGTTTTTTGGGCTAGC	TCAAGAAAGACGTGGT		TTTTTTTT	GAATTCAGTGCAGA	AGGAGATATACCC	eGFP	
LM1-Pos	R410	LM1-U8SDPos	pRSF1030Tp		ara-Promotor	ACCCGTTTTTTGGGCTAGC	TCAAGAACTCGTGGT		TTTTTTTT	GAATTCAGTGCAGA	AGGAGATATACCC	eGFP	
LM2-Pos	R411	LM2-U8SDPos	pRSF1030Tp		ara-Promotor	ACCCGTTTTTTGGGCTAGC	GGAAGAAAGACGTGGT		TTTTTTTT	GAATTCAGTGCAGA	AGGAGATATACCC	eGFP	
LM1C-Pos	R412	LM1C-U8SDPos	pRSF1030Tp		ara-Promotor	ACCCGAGTTTTTTGGGCTAGC	TCAAGAACTCGTGGT		TTTTTTTT	GAATTCAGTGCAGA	AGGAGATATACCC	eGFP	
LM2C-Pos	R413	LM2C-U8SDPos	pRSF1030Tp		ara-Promotor	ACCCGTTTTTTCCGCTAGC	GGAAGAAAGACGTGGT		TTTTTTTT	GAATTCAGTGCAGA	AGGAGATATACCC	eGFP	
LH1-N1M7-A	R311	L-N1M7meA	pRSF1030Tp		ara-Promotor	ACCCGTTTTTTGGGCTAGC	TCAAGAAAGACGTGGT	GACTGCTTGTCCTTAATGGTCCAGTCCTCTAGTGGAGGACTGGACCATTATTTTTTTT		GAATTCAGTGCAGA	AGGAGATATACCC	eGFP	
LH1-N1M7-B	R305	L-N1M7loC	pRSF1030Tp		ara-Promotor	ACCCGTTTTTTGGGCTAGC	TCAAGAAAGACGTGGT	GACTGCTTGTCCTTAATGGTCCAGTCCTCTAGTGGAGGACTGGACCATTATTTTTTTT		GAATTCAGTGCAGA	AGGAGATATACCC	eGFP	
LH1-N1M7-C	R307	L-N1M7shB	pRSF1030Tp		ara-Promotor	ACCCGTTTTTTGGGCTAGC	TCAAGAAAGACGTGGT	GACTGCTTGTCCTTAATGGTCCAGTCCTCTAGTGGAGGACTGGACCATTATTTTTTTT		GAATTCAGTGCAGA	AGGAGATATACCC	eGFP	
LH1-N1M7-D	R306	L-N1M7meB	pRSF1030Tp		ara-Promotor	ACCCGTTTTTTGGGCTAGC	TCAAGAAAGACGTGGT	GACTGCTTGTCCTTAATGGTCCAGTCCTCTAGTGGAGGACTGGACCATTATTTTTTTT		GAATTCAGTGCAGA	AGGAGATATACCC	eGFP	
oL-N1M7-D	R315	N1M7meB	pRSF1030Tp		ara-Promotor	ACCCGTTTTTTGGGCTAGC	TCAAGAAAGACGTGGT	GACTGCTTGTCCTTAATGGTCCAGTCCTCTAGTGGAGGACTGGACCATTATTTTTTTT		GAATTCAGTGCAGA	AGGAGATATACCC	eGFP	
LH1-oL-N1M7-D	R381	L-Lpl-N1M7meB	pRSF1030Tp		ara-Promotor	ACCCGTTTTTTGGGCTAGC	TCAAGAAAGACGTGGT	ACCCGTTTTTTGGGCTAGC	GACTGCTTGTCCTTAATGGTCCAGTCCTCTAGTGGAGGACTGGACCATTATTTTTTTT		GAATTCAGTGCAGA	AGGAGATATACCC	eGFP
N1M7-D	R325	TS-N1M7meB	pRSF1030Tp		ara-Promotor	A		GACTGCTTGTCCTTAATGGTCCAGTCCTCTAGTGGAGGACTGGACCATTATTTTTTTT		GAATTCAGTGCAGA	AGGAGATATACCC	eGFP	
LH1-Term-N1M7-D	R364	L-Term-N1M7meB	pRSF1030Tp		ara-Promotor	ACCCGTTTTTTGGGCTAGC	TCAAGAAAGACGTGGT	TAATGGTCCAGTCGAAATCTCGACTGGACCATTATTTTTTTT		GAATTCAGTGCAGA	AGGAGATATACCC	eGFP	
LH2-N1M7-D	R371	L2-N1M7meB	pRSF1030Tp		ara-Promotor	TGACGTCTCTAAGAGACGTCAA		GACTGCTTGTCCTTAATGGTCCAGTCGAAATCTCGACTGGACCATTATTTTTTTT		GAATTCAGTGCAGA	AGGAGATATACCC	eGFP	
LH2-oL-N1M7-D	R372	L2-Lpl-N1M7meB	pRSF1030Tp		ara-Promotor	TGACGTCTCTAAGAGACGTCAA	ACCCGTTTTTTGGGCTAGC	GACTGCTTGTCCTTAATGGTCCAGTCGAAATCTCGACTGGACCATTATTTTTTTT		GAATTCAGTGCAGA	AGGAGATATACCC	eGFP	
U1-N1M7-D	R367	LshuA-N1M7meB	pRSF1030Tp		ara-Promotor	AAAAATAACACA		GACTGCTTGTCCTTAATGGTCCAGTCGAAATCTCGACTGGACCATTATTTTTTTT		GAATTCAGTGCAGA	AGGAGATATACCC	eGFP	
U2-N1M7-D	R368	LshuC-N1M7meB	pRSF1030Tp		ara-Promotor	AAAATATACTCACA		GACTGCTTGTCCTTAATGGTCCAGTCGAAATCTCGACTGGACCATTATTTTTTTT		GAATTCAGTGCAGA	AGGAGATATACCC	eGFP	
LH1-U1-N1M7-D	R369	L-LshuA-N1M7meB	pRSF1030Tp		ara-Promotor	ACCCGTTTTTTGGGCTAGC	TCAAGAAAGACGTGGT	AAAAATAACACA	GACTGCTTGTCCTTAATGGTCCAGTCGAAATCTCGACTGGACCATTATTTTTTTT		GAATTCAGTGCAGA	AGGAGATATACCC	eGFP
LH1-U1-N1M7-D	R382	L-LshuC-N1M7meB	pRSF1030Tp		ara-Promotor	ACCCGTTTTTTGGGCTAGC	TCAAGAAAGACGTGGT	AAAATATACTCACA	GACTGCTTGTCCTTAATGGTCCAGTCGAAATCTCGACTGGACCATTATTTTTTTT		GAATTCAGTGCAGA	AGGAGATATACCC	eGFP
LM1-N1M7meB	R399	LM1-N1M7meB	pRSF1030Tp		ara-Promotor	ACCCGTTTTTTGGGCTAGC	TCAAGAACTCGTGGT	GACTGCTTGTCCTTAATGGTCCAGTCGAAATCTCGACTGGACCATTATTTTTTTT		GAATTCAGTGCAGA	AGGAGATATACCC	eGFP	
LM2-N1M7meB	R400	LM2-N1M7meB	pRSF1030Tp		ara-Promotor	ACCCGTTTTTTGGGCTAGC	GGAAGAAAGACGTGGT	GACTGCTTGTCCTTAATGGTCCAGTCGAAATCTCGACTGGACCATTATTTTTTTT		GAATTCAGTGCAGA	AGGAGATATACCC	eGFP	
LM1C-N1M7meB	R408	LM1C-N1M7meB	pRSF1030Tp		ara-Promotor	ACCCGAGTTTTTTGGGCTAGC	TCAAGAACTCGTGGT	GACTGCTTGTCCTTAATGGTCCAGTCGAAATCTCGACTGGACCATTATTTTTTTT		GAATTCAGTGCAGA	AGGAGATATACCC	eGFP	
LM2C-N1M7meB	R407	LM2C-N1M7meB	pRSF1030Tp		ara-Promotor	ACCCGTTTTTTCCGCTAGC	GGAAGAAAGACGTGGT	GACTGCTTGTCCTTAATGGTCCAGTCGAAATCTCGACTGGACCATTATTTTTTTT		GAATTCAGTGCAGA	AGGAGATATACCC	eGFP	
LM3-N1M7-D	R406	LM3-N1M7meB	pRSF1030Tp		ara-Promotor	TGACGTCTCTAAGAGACTCAA		GACTGCTTGTCCTTAATGGTCCAGTCGAAATCTCGACTGGACCATTATTTTTTTT		GAATTCAGTGCAGA	AGGAGATATACCC	eGFP	
LM3C-N1M7-D	R409	LM3C-N1M7meB	pRSF1030Tp		ara-Promotor	TGAGCTCTCTAAGAGACTCAA		GACTGCTTGTCCTTAATGGTCCAGTCGAAATCTCGACTGGACCATTATTTTTTTT		GAATTCAGTGCAGA	AGGAGATATACCC	eGFP	
LM4-N1M7-D	R443	LM6-N1M7meB	pRSF1030Tp		ara-Promotor	TGACGTCTCTAACTGACGTCAA		GACTGCTTGTCCTTAATGGTCCAGTCGAAATCTCGACTGGACCATTATTTTTTTT		GAATTCAGTGCAGA	AGGAGATATACCC	eGFP	
LM5-N1M7-D	R444	LM7-N1M7meB	pRSF1030Tp		ara-Promotor	TGACGTCTCTAACTGACGTCAA		GACTGCTTGTCCTTAATGGTCCAGTCGAAATCTCGACTGGACCATTATTTTTTTT		GAATTCAGTGCAGA	AGGAGATATACCC	eGFP	
LH1-N1M7-D_(bgaB)	R374	L-N1M7meB-SAGGA	pRSF1030Tp		ara-Promotor	ACCCGTTTTTTGGGCTAGC	TCAAGAAAGACGTGGT	GACTGCTTGTCCTTAATGGTCCAGTCGAAATCTCGACTGGACCATTATTTTTTTT			AGGAGGTTAATG	bgaB	

Red_letters_denote_mutated_nucleotides
AUR: aptamer_upstream_region
TDR: terminator_downstream_region
RBS: ribosomal_binding_site