Figure S1. Molecular weights for the expected products in each lane are provided at the bottom of the gel. **(A)** HEK293 cells expressing various RAGE truncations fused to GFP were blotted against anti-GFP and anti-Rluc antibodies, and similar ratios of receptor expression are observed for both constructs. **(B)** The same membrane probed with anti-GFP and anti-Rluc from **(A)** was blotted with an anti-tubulin antibody as a loading control to confirm similar levels of total sample per well.

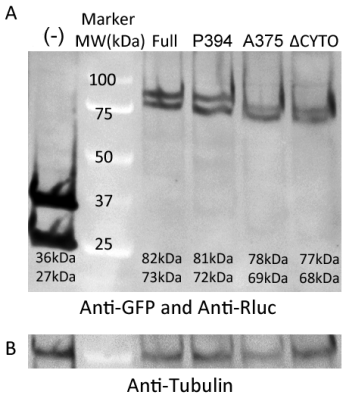

Table S1: Primer Sequences Used for Subcloning.

Primer Name	Nucleic Acid Sequence
MBPspNcoIGf	aaaaaaCCATGGAAATAAAAACAGGTGCACG
MBPHASacIr	aaaaaaGAGCTCGAGCTCCGCATAATCCGG
nsigpMBPNcoIGf	aaaaaaaaaCCATGGGCAAAATCGAAGAAGGTAAACTGG
AraC168KpnIf	aaaaaaaaaGGTACCAACGAGTCGCTCCATCCA
AraCHindIIIr	aaaaaaaaaAAGCTTTTATGACAACTTGACGGCTACATC
RAGEFullBgIIf	aaaaaaaaaAGATCTATGGCAGCCGGAACAG
RAGEfullSacIf	aaaaaaaaaGAGCTCATGGCAGCCGGAACAGC
RAGEprSacIf	aaaaaaaaaGAGCTCCGTGCTGTCAGCATCAGC
RAGEcyKpnIr	aaaaaaaaaGGTACCAGGCCCTCCAGTACTACTCTCG
RAGETMSacIf	aaaaaaaaaGAGCTCTCAGGGCTGGGAACTCTAGC
RAGETMKpnIr	aaaaaaaaaGGTACCCCTTTGCCACAAGATGACC
RAGEc1SacIf	aaaaaaaaaGAGCTCAAGCCAGAAATTGTAGATTCTGC
RAGEc2SacIf	aaaaaaaaaagagctcCCCATCCAGCCCCGT
RAGE375AKpnIr	aaaaaaaaaGGTACCGGCCTTCCTCTCCTCTCCT
RAGE394PKpnIr	aaaaaaaaaGGTACCAGGTTCCTCCGACTGATTCA
RAGE375AsacIr	aaaaaaaaaGAGCTCGGCCTTCCTCTCCTCTCCT
RAGE394PsacIr	aaaaaaaaaGAGCTCAGGTTCCTCCGACTGATTCA
RAGEdelVNheIf	aaaaaaaaaGCTAGCATGAAGCCAGAAATTGTAGATTCTGCGCTAGC
RAGEdelVBglIIf	aaaaaaaaaAGATCTATGAAGCCAGAAATTGTAGATTCTGC
RAGETMSacIr	aaaaaaaaaGAGCTCCCTTTGCCACAAGATGACC
pBADdelAraCBglIIf	aaaaaaaaaAGATCTATCGGCGTTAAACCC
pBADdelAraCBglIIr	aaaaaaaaaAGATCTGGTACCTACCGCACAGATGCG
Alpha2BsacIf	aaaaaaaaaGAGCTCGCGATTCCGATTTGGTGG
Alpha2BshortKpnIr	aaaaaaaaaGGTACCGCGGTTGCGTTTAAAAAAGC
Alpha2BlongKpnIr	aaaaaaaaaGGTACCTTCGCCTTCTTCATCATCTTCT
Alpha2Boligo1	GCGGCGGCGGCGATTCCGATTGGTGGGTGCTGGTGGGCGTG
Alpha2Boligo4	CGGGCGGTTGCGTTTAAAAAAGCCCACTTTCCACATCGCCAGCACCA
Alpha2Boligo5	GCTTTTTTAAACGCAACCGCCCGCCGCTGGAAGAAGATGATGAAGAAG
Alpha2Boligo6	CGCCGCCGCTTCGCCTTCTTCATCATCTTCTTCCAGCG
Alpha2Boligo2_wt	GTCAGCAGCAGCAGGCCGCCCAGCACGCCCACCAGCACCCAC
Alpha2Boligo3_wt	GCGGCCTGCTGCTGCTGACCATTCTGGTGCTGGCGATGTGGAAAG
Alpha2Boligo2_G976L	GTCAGCAGCAGCAGCAGGCCCAGCACGCCCACCAGCACCCAC
Alpha2Boligo3_G976L	GCCTGCTGCTGCTGCTGACCATTCTGGTGCTGGCGATGTGGAAAG
Alpha2Boligo2_L980A	GTCGCCAGCAGCAGGCCGCCCAGCACGCCCACCAGCACCCAC
Alpha2Boligo3_L980A	GCGGCCTGCTGCTGGCGACCATTCTGGTGCTGGCGATGTGGAAAG
pet28MCSSacIf	aaaaaaaaaGAGCTCACTAGTGGATCCGAATTCGAcCTCCG
pet28MCSKpnIr	aaaaaaaaaGGTACCTCTAGACTCGAGTGCGGCCGCATGCTT
RSFKanSpeIf	aaaaaaaaaACTAGTGGTCTTGAGGGGTTTTTTGC
RSFKanSpeIr	aaaaaaaaaACTAGTGACTTCAGGTGCTACATTTGAAGAG
pTrcSpeIf	aaaaaaaaaACTAGTCTTTCGCGGTATGGCATG
pTrcSpeIr	aaaaaaaaaACTAGTTGAAGCATTTATCAGGGTTATTGTC

Sequence S1: pAraTM MCS Nucleic Acid Sequence

MBP-**(SacI-SpeI-BamHI-EcoRI-GGCTCC-SalI-AAGTTTGCGGCCGCA-XhoI-XbaI-KpnI)**-AraC 168
CGTATGATGTGCCGGATTATGCG**GAGCTCACTAGTGGATCCGAATTCGGCTCCGTCGACAAGTTTGCGGCCGCACTCGAGTCTAGAGGTACC**ATGAACGAGTCGCTCCATCCACCGATGG

Sequence S2: pAraTM Nucleic Acid Sequence (5611bp)

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Sequence S3: pAraGFP Nucleic Acid Sequence (3992bp)

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