

Data S2, Related to Figures 1-6 and S1-S12: Genes, Primer ID and sequences. Following is a list of all the genes, their primer IDs, primer sequences and purpose.

Primer ID	Gene	Forward Primer Sequence 5'-3'	Purpose
VP-99	sgCIDEA2 (AS2) _{FP}	GAAATTAATACGACTCACTATAGGGAGTCACCTT CGACTTGTACGTTTAGAGCTAGAAATAGC	Forward primer to generate AS2 sgRNA template by annealing, extension followed by PCR amplification. Forward primer contains T7 promoter ;yellow region overlaps with the scaffold.
VP-100	SgRNA _{scaffold} RP	AAAAGCACCGACTCGGTGCCACTTTTTCAAGTTG ATAACGGACTAGCCTTATTTAACTTGCTATTCT AGCTCTAAAAC	Reverse primer to generate AS2 sgRNA template by annealing, extension followed by PCR amplification. Forward primer contains T7 promoter ;yellow region overlaps with the scaffold.
VP-101	sgCIDEA1 (AS1) _{FP}	GAAATTAATACGACTCACTATAGGNTGAACGAG CGGCGGCTTCTCGTTTAGAGCTAGAAATAGC	Forward primer to generate S1 sgRNA template by annealing, extension followed by PCR amplification. Forward primer contains T7 promoter; yellow region overlaps with the scaffold.
VP-102	Cas9 _{FP}	ATGGACAAGAAGTACAGCATCGGCCTGGAC	Forward primer used to amplify Cas9 from Pcw-Cas9
VP-103	Cas9 _{RP}	GTCGCCTCCAGCTGAGACAGGTGCG	Reverse primer used to amplify Cas9 from Pcw-Cas9
VP-104	Puromycin _{FP}	ATGACCGAGTACAAGCCACGGTGCGCC	Forward primer used to amplify Puromycin from Pcw-Cas9
VP-105	Puromycin _{RP}	TCAGGCACCGGCTTGC GGGTCA	Reverse primer used to amplify Puromycin from Pcw-Cas9
VP-106	Cas9D10A _{mut} _{FP}	ATAGGCTTAGcTATCGGCACAAATAGCGTCGG	Forward primer used to mutate Cas9
VP-107	Cas9D10A _{mut} _{RP}	TGTGCCGATAgCTAAGCCTATTGAGTATTTTC	Reverse primer used to mutate Cas9
VP-108	Cas9H840A _{mut} _{FP}	GATGTCGATgCATTGTCCACAAAGTTTCC	Forward primer used to mutate Cas9
VP-109	Cas9H840A _{mut} _{RP}	GGAACAATGgcATCGACATCATAATCACTT	Reverse primer used to mutate Cas9
VP-110	T7p -5'UTRHBB _{FP}	TTGGACCCTCGTACAGAAGCTAATACGACTCACT ATAGGGACATTGCTTCTGACA	Forward primer to generate T7 promoter-5'UTR HBB fragment by annealing and extension by Taq polymerase
VP-112	T7p -5'UTRHBB _{RP}	GGTGTCTGTTTGTAGTTGCTAGTGAACACAGTT GTGTCAGAAGCAAATGTCCC	Reverse primer to generate T7 promoter-5'UTR HBB fragment by annealing and extension by Taq polymerase
VP-113	NLS-T2A _{FP}	AAAAGGCCGGCCGACGAAAAAGGCCGGCCA GGCAAAAAAGAAAAAGGAGGGCAGAGGAAGT CT	Forward primer to generate Nucleoplasmin-NLS-T2A fragment by annealing and extension by Taq polymerase
VP-114	NLS-T2A _{RP}	TGGGCCGGGATTCTCCTCCAGCTCACCGCATGTT AGAAGACTTCTCTGCCCTC	Reverse primer to generate Nucleoplasmin-NLS-T2A fragment by annealing and extension of primers by Taq Polymerase
VP-115	T7p -5'UTR _{gibson} _{FP}	TTGGACCCTCGTACAGAAG	Forward primer to amplify T7 p- 5'UTR for Gibson assembly of all the mRNA template

VP-116	T7p -5'UTR-HBB_gibson _{RP}	tcttgccatGGTGTCTGTTGAGGTTG	Reverse primer to amplify T7 p- 5'UTR_HBB for Gibson assembly of Cas9D10A-2A-Puro hybrid mRNA template (lowercase overlaps with Cas9D10A)
VP-117	hspCAS9D10A_gibson _{n FP}	aacagacaccATGGACAAGAAGTACTCCATTGG	Forward primer to amplify hspCAS9D10A for Gibson assembly of Cas9D10A-2A-Puro hybrid mRNA template (lowercase overlaps with T7 p- 5'UTR_HBB)
VP-118	hspCAS9D10A_gibson _{n RP}	cggccttttGTCTCCACCGAGCTGAGAG	Reverse primer to amplify hspCAS9D10A for Gibson assembly of Cas9D10A-2A-Puro hybrid mRNA template (lowercase overlaps with NLS-T2A fragment)
VP-119	NLS-T2A_gibson _{FP}	cggtggagacAAAAGGCCGCGGCCACG	Forward primer to amplify NLS-T2A for Gibson assembly of Cas9D10A-2A-Puro hybrid mRNA template (lowercase overlaps with hspCAS9D10A)
VP-120	NLS-T2A_gibson _{RP}	actcgtcatTGGGCCGGGATTCTCCTCC	Reverse primer to amplify NLS-T2A for Gibson assembly of Cas9D10A-2A-Puro hybrid mRNA template (lowercase overlaps with Puromycin-R)
VP-121	Puromycin-R_gibson _{FP}	tcccggcccaATGACCGAGTACAAGCCACGG	Forward primer to amplify Puromycin-R for Gibson assembly of Cas9D10A-2A-Puro hybrid mRNA template (lowercase overlaps with NLS-T2A)
VP-122	Puromycin-R_gibson _{RP}	gaaagcagcTCAGGCACCGGGCTTGCG	Reverse primer to amplify Puromycin-R for Gibson assembly of Cas9D10A-2A-Puro hybrid mRNA template (lowercase overlaps with 3'UTR-HBB)
VP-123	3'UTR-HBB_gibson _{FP}	cggtgcctgaGCTCGTTTCTTGCTGTC	Forward primer to amplify 5'UTR_HBB for Gibson assembly of Cas9D10A-2A-Puro hybrid mRNA template (lowercase overlaps with Puromycin-R)
VP-124	3'UTR-HBB_gibson _{RP}	GCGCAATGAACAATACAATG	Reverse primer to amplify 5'UTR_HBB for Gibson assembly of all the mRNA template
VP-125	All in one FP	TTGGACCCTCGTACAGAAGCTAATACGA	Forward primer to amplify all the mRNA template after Gibson assembly
VP-126	All in one RP	TTTTTTTTTTTTTTTTTTTTCGCAATGAACAATACAATG	Reverse primer to amplify all the mRNA template after Gibson assembly
VP-127	T7p -5'UTR AP2 _{FP}	TTGGACCCTCGTACAGAAGCT TAATACGACTCAC TATAGGGTCACAGCACCCCTCTGAAACTG	Forward primer to generate T7 promoter-5'UTR AP2 fragment by annealing and extension by Taq polymerase
VP-128	T7p -5'UTR AP2 _{RP}	TTGTGAGTTTTCTAGGATTATTCTCAAGGTGA GAAGGAAGCTGCAGTTTTCAGGAGGGTGCTGT GACCC	Reverse primer to generate T7 promoter-5'UTR AP2 fragment by annealing and extension by Taq polymerase
VP-129	T7p-5'UTR-AP2_gibson_CIDEA _{A RP}	cggcctccatTTTGTGAGTTTTCTAGGATTATTCTTC	Reverse primer to amplify T7 p- 5'UTR-AP2 for Gibson assembly of CIDEA mod mRNA template (lowercase overlaps with CIDEA-ORF)
VP-130	CIDEA-ORF_gibson _{FP}	aactcacaaaATGGAGGCCGCTAGGGAC	Forward primer to amplify CIDEA-ORF for Gibson assembly of CIDEA mod mRNA template (lowercase overlaps with T7 p- 5'UTR-AP2)

VP-131	CIDEA-ORF_gibson RP	gaaagcgagcTCAGCCGCAGGTGAACCTG	Reverse primer to amplify CIDEA-ORF for Gibson assembly of CIDEA mod mRNA template (lowercase overlaps with 3'UTR-HBB)
VP-132	3'UTR-HBB_gibson_CIDEA FP	ctgcgctgaGCTCGCTTCTTGCTGTC	Forward primer to amplify 3'UTR-HBB for Gibson assembly of CIDEA mod mRNA template (lowercase overlaps with CIDEA-ORF)
VP-133	T7p-5'UTR-AP2_gibson_LXR α RP	acaaggacatTTTGTGAGTTTTCTAGGATTATTCTTC	Reverse primer to amplify T7 p- 5'UTR-AP2 for Gibson assembly of LXR α mRNA template (lowercase overlaps with LXR α -ORF)
VP-134	LXR α -ORF_gibson FP	aactcacaaaATGTCCTTGTGGCTGGGG	Forward primer to amplify LXR α -ORF for Gibson assembly of LXR α mRNA template (lowercase overlaps with T7 p- 5'UTR-AP2)
VP-135	LXR α -ORF_gibson RP	gaaagcgagcTCATTGTGCACATCCCAG	Reverse primer to amplify LXR α -ORF for Gibson assembly of LXR α mRNA template (lowercase overlaps with 3'UTR-HBB)
VP-136	3'UTR-HBB_gibson_LXR α FP	gcacgaatgaGCTCGCTTCTTGCTGTC	Forward primer to amplify 3'UTR-HBB for Gibson assembly of LXR α mRNA template (lowercase overlaps with LXR α -ORF)
VP-137	T7p-5'UTR-AP2_gibson_LXR β RP	gagaggacatTTTGTGAGTTTTCTAGGATTATTCTTC	Reverse primer to amplify T7 p- 5'UTR-AP2 for Gibson assembly of LXR β mRNA template (lowercase overlaps with LXR β -ORF)
VP-138	LXR β -ORF_gibson FP	aactcacaaaATGTCCTCTCTACCACGAG	Forward primer to amplify LXR β -ORF for Gibson assembly of LXR β mRNA template (lowercase overlaps with T7 p- 5'UTR-AP2)
VP-139	LXR β -ORF_gibson RP	gaaagcgagcTCACTCGTGACGTCCCAG	Reverse primer to amplify LXR β -ORF for Gibson assembly of LXR β mRNA template (lowercase overlaps with 3'UTR-HBB)
VP-140	3'UTR-HBB_gibson_LXR β FP	ccacgagtgaGCTCGCTTCTTGCTGTC	Forward primer to amplify 3'UTR-HBB for Gibson assembly of LXR β mRNA template (lowercase overlaps with LXR β -ORF)
VP-141	T7p-5'UTR-AP2_gibson_RXR α RP	tggtgtccatTTTGTGAGTTTTCTAGGATTATTCTTC	Reverse primer to amplify T7 p- 5'UTR-AP2 for Gibson assembly of RXR α mRNA template (lowercase overlaps with RXR α -ORF)
VP-142	RXR α -ORF_gibson FP	aactcacaaaATGGACACCAACATTTTC	Forward primer to amplify RXR α -ORF for Gibson assembly of RXR α mRNA template (lowercase overlaps with T7 p- 5'UTR-AP2)
VP-143	RXR α -ORF_gibson RP	gaaagcgagcCTAAGTCATTTGGTGCGG	Reverse primer to amplify RXR α -ORF for Gibson assembly of RXR α mRNA template (lowercase overlaps with 3'UTR-HBB)
VP-144	3'UTR-HBB_gibson_RXR α FP	aatgacttagGCTCGCTTCTTGCTGTC	Forward primer to amplify 3'UTR-HBB for Gibson assembly of RXR α mRNA template (lowercase overlaps with RXR α -ORF)

VP-145	3XHA _{FP}	TACCCATACGATGTTCTGACTATGCGGGCTATC CCTATGACGTCCCGGACTATGC	Forward primer to generate 3X-HA fragment by annealing and extension by Taq polymerase
VP-146	3XHA _{RP}	TCAAGCGTAATCTGGAACGTCATATGGATAGGA TCCTGCATAGTCCGGGACGTCATAG	Reverse primer to generate 3X-HA fragment by annealing and extension by Taq polymerase
VP-147	CIDEA 3XHA-ORF _{gibson FP}	aactcacaaaATGGAGGCCGCTAGGGAC	Forward primer to amplify CIDEA-ORF for Gibson assembly of CIDEA-3XHA mod mRNA template (lowercase overlaps with T7 p- 5'UTR-AP2)
VP-148	CIDEA 3XHA-ORF _{gibson RP}	cgtagggtaGCCGCAGGTGAACCTGCC	Reverse primer to amplify CIDEA-ORF for Gibson assembly of CIDEA-3XHA mod mRNA template (lowercase overlaps with 3XHA)
VP-149	3XHA _{gibson FP}	cacctgcggcTACCCATACGATGTTCTCTG	Forward primer to amplify 3XHA for Gibson assembly of CIDEA-3XHA mod mRNA template (lowercase overlaps with CIDEA ORF)
VP-150	3XHA _{gibson RP}	gaaagcgagcTCAAGCGTAATCTGGAAC	Reverse primer to amplify 3XHA for Gibson assembly of CIDEA-3XHA mod mRNA template (lowercase overlaps with 3'UTR HBB)
VP-151	3'UTR-HBB _{gibson 3XHA FP}	ttacgcttgaGCTCGCTTTCTTGCTGTC	Forward primer to amplify 3'UTR-HBB for Gibson assembly of CIDEA-3XHA mod mRNA template (lowercase overlaps with 3XHA)
VP-152	6XHis-3'UTR HBB _{FP}	GTAGTGGTGGTGGTAGTGTGAGCTCGCTTTCTT GCTGTCCAATTTCTATTAAGGTTCC	Forward primer to append and amplify 6XHis containing 3'UTR-HBB.
VP-153	CIDEA 6XHis-ORF _{gibson RP}	ctaccaccaccactacGCCGCAGGTGAACCTGCC	Reverse primer to amplify CIDEA-ORF for Gibson assembly of CIDEA-6XHis mod mRNA template (lowercase overlaps with 6XHis)
VP-154	6XHis'3'UTR _{gibson FP}	cacctgcggcGTAGTGGTGGTGGTAGTG	Forward primer to amplify 6XHis for Gibson assembly of CIDEA-3XHA mod mRNA template (lowercase overlaps with CIDEA ORF)
VP-155	(A) CIDEA K23A mut _{RP}	A) ACCTTCATGGGG AGCCAA ACA G CGGGGTGCTG TTTACC	All in one FP , CIDEA K23A mut _{RP} and All in one RP , CIDEA K23A mut _{FP} were utilized for nested PCR from CIDEA-3XHA mod mRNA template to create K23A mutation at CIDEA ORF
VP-157	(B) CIDEA K23A mut _{FP}	B) GGTAAACAGCACCC GC GCTTTGGCTCCCAT GAAGGT	
VP-158	(A) CIDEA R44A mut _{RP}	A) TCA AAC CAT GAT GCC TCA AGC AGA CGC GGC GTC ATG GCC AGC.	All in one FP , CIDEA R44A mut _{RP} and All in one RP , CIDEA R44A mut _{FP} were utilized for nested PCR from CIDEA-3XHA mod mRNA template to create R44A mutation at CIDEA ORF
VP-159	(B) CIDEA R44A mut _{FP}	B) GCTGGCCATGACGCCGCTGCTTGAG GC ATC ATGGTTGA	
VP-160 (CIDEA _{1-70aa})	All in one FP	TTGGACCCTCGTACAGAAGCTAATACGA	Forward primer to amplify T7p-5'UTR-AP2 and forward primer to amplify all the mRNA template after Gibson assembly

VP-161 (CIDEA _{1-70aa})	T7p-5'UTR- AP2_gibson_CIDE A _{RP}	cggcctccatTTTGTGAGTTTCTAGGATTATTCCTC	Reverse primer to amplify T7 p- 5'UTR-AP2 for Gibson assembly of CIDEA mod mRNA template (lowercase overlaps with CIDEA _{1-70aa})
VP-162 (CIDEA _{1-70aa})	CIDEA _{1-70aa} 3XHA_gibson _{FP}	aactcacaaaATGGAGGCCGCTAGGGAC	Forward primer to amplify CIDEA _{1-70aa} for Gibson assembly of CIDEA _{1-70aa} mRNA template (lowercase overlaps with T7 p-5'UTR-AP2)
VP-163 (CIDEA _{1-70aa})	CIDEA _{1-70aa} 3XHA_gibson _{RP}	cgtatgggtaTGTTGCTATGACCAGCGC	Reverse primer to amplify CIDEA _{1-70aa} for Gibson assembly of CIDEA _{1-70aa} mod mRNA template (lowercase overlaps with 3XHA-3'UTR fragment)
VP-164 (CIDEA _{1-70aa})	3X-HA- 3'UTR_gibson _{FP}	catagcaacaTACCCATACGATGTTCTCTG	Forward primer to amplify 3XHA-3'UTR for Gibson assembly of CIDEA _{1-70aa} mod mRNA template (lowercase overlaps with CIDEA _{1-70aa} fragment)
VP-165 CIDEA _{1-70aa}	All in one RP	TTTTTTTTTTTTTTTTTTTTCGCAATGAACAATAC AATG	Reverse primer to amplify 3XHA-3'UTR and Reverse primer to amplify all the mRNA template after Gibson assembly
VP-166 (CIDEA _{1-160aa})	CIDEA _{1-160aa} 3XHA_gibson _{RP}	cgtatgggtaATCGTATGAAACGCTGTACATTTTCAT ACATAG	Reverse primer to amplify CIDEA _{1-160aa} for Gibson assembly of CIDEA _{1-160aa} mod mRNA template (lowercase overlaps with 3XHA-3'UTR fragment)
VP-167 (CIDEA _{1-160aa})	3X-HA- 3'UTR_gibson _{FP}	ttcatacgatTACCCATACGATGTTCTCTG	Forward primer to amplify 3XHA-3'UTR for Gibson assembly of CIDEA _{1-160aa} mod mRNA template (lowercase overlaps with CIDEA _{1-160aa} fragment)
VP-168 CIDEA _(12-19Δ[55-63]Δ[166-175]aa)	CIDEA _(1-219Δ[55-63]Δ[166-175]aa) 3XHA_gibson _{RP}	cgtatgggtaGCCGCAGGTGAACCTGCC	Reverse primer to amplify CIDEA _(1-219Δ[55-63]Δ[166-175]aa) for Gibson assembly of CIDEA _(1-219Δ[55-63]Δ[166-175]aa) mod mRNA template (lowercase overlaps with 3XHA-3'UTR fragment)
VP-169 CIDEA _(1-219Δ[55-63]Δ[166-175]aa)	3X-HA- 3'UTR_gibson _{FP}	cacctcgggcTACCCATACGATGTTCTCTG	Forward primer to amplify 3XHA-3'UTR for Gibson assembly of CIDEA _(1-219Δ[55-63]Δ[166-175]aa) mod mRNA template (lowercase overlaps with CIDEA _(1-219Δ[55-63]Δ[166-175]aa) fragment)
VP-170 (CIDEA _{126-184aa})	T7p-5'UTR- AP2_gibson_CIDE A _{RP}	tagcaatcatTTTGTGAGTTTCTAGGATTATTCCTC	Reverse primer to amplify T7 p- 5'UTR-AP2 for Gibson assembly of CIDEA mod mRNA template (lowercase overlaps with CIDEA _{126-184aa})
VP-171 (CIDEA _{126-184aa})	CIDEA _{126-184aa} 3XHA_gibson _{FP}	aactcacaaaATGATTGCTAGGGTTACGTTTC	Forward primer to amplify CIDEA _{126-184aa} for Gibson assembly of CIDEA _{126-184aa} mRNA template (lowercase overlaps with T7 p-5'UTR-AP2)
VP-172 (CIDEA _{126-184aa})	CIDEA _{126-184aa} 3XHA_gibson _{RP}	cgtatgggtaGGTCACTTGTGCGGAATATG	Reverse primer to amplify CIDEA _{126-184aa} for Gibson assembly of CIDEA _{126-184aa} mod mRNA template (lowercase overlaps with 3XHA-3'UTR fragment)

VP-173 (CIDEA _{126-184aa})	3X-HA-3'UTR_gibson FP	acaagtgaccTACCCATACGATGTTCTCTG	Forward primer to amplify 3XHA-3'UTR for Gibson assembly of CIDEA _{126-184aa} mod mRNA template (lowercase overlaps with CIDEA _{126-184aa} fragment)
VP-174 (CIDEA _{160-219aa})	T7p-5'UTR-AP2_gibson_CIDEA RP	ggatatccatTTTGTGAGTTTTCTAGGATTATTCCTC	Reverse primer to amplify T7 p- 5'UTR-AP2 for Gibson assembly of CIDEA mod mRNA template (lowercase overlaps with CIDEA _{160-219aa})
VP-175 (CIDEA _{160-219aa})	CIDEA _{160-219aa} 3XHA_gibson FP	aactcacaaaATGGATATCCGGTGCACTGGAC	Forward primer to amplify CIDEA _{160-219aa} for Gibson assembly of CIDEA _{160-219aa} mRNA template (lowercase overlaps with T7 p- 5'UTR-AP2)
VP-176 (CIDEA _{71-160aa})	T7p-5'UTR-AP2_gibson_CIDEA RP	ccagaccatTTTGTGAGTTTTCTAGGATTATTCCTC	Reverse primer to amplify T7 p- 5'UTR-AP2 for Gibson assembly of CIDEA mod mRNA template (lowercase overlaps with CIDEA _{71-160aa})
VP-177 (CIDEA _{71-160aa})	CIDEA _{71-160aa} 3XHA_gibson FP	aactcacaaaATGGGTCTGGTGACCCTC	Forward primer to amplify CIDEA _{71-160aa} for Gibson assembly of CIDEA _{71-160aa} mRNA template (lowercase overlaps with T7 p- 5'UTR-AP2)
VP-178 (CIDEA _{71-160aa})	CIDEA _{71-160aa} 3XHA_gibson RP	cgtatgggtaGTATGAAACGCTGTACATTCATACA TAG	Reverse primer to amplify CIDEA _{71-160aa} for Gibson assembly of CIDEA _{71-160aa} mod mRNA template (lowercase overlaps with 3XHA-3'UTR fragment)
VP-179 (CIDEA _{71-160aa})	3X-HA-3'UTR_gibson FP	cgtttcatacTACCCATACGATGTTCTCTG	Forward primer to amplify 3XHA-3'UTR for Gibson assembly of CIDEA _{71-160aa} mod mRNA template (lowercase overlaps with CIDEA _{71-160aa} fragment)
VP-180 (CIDEA _{33-110aa})	T7p-5'UTR-AP2_gibson_CIDEA RP	gcctggccatTTTGTGAGTTTTCTAGGATTATTCCTC	Reverse primer to amplify T7 p- 5'UTR-AP2 for Gibson assembly of CIDEA mod mRNA template (lowercase overlaps with CIDEA _{33-110aa})
VP-181 (CIDEA _{33-110aa})	CIDEA _{33-110aa} 3XHA_gibson FP	aactcacaaaATGGCCAGGCCCTTCAGG	Forward primer to amplify CIDEA _{33-110aa} for Gibson assembly of CIDEA _{33-110aa} mRNA template (lowercase overlaps with T7 p- 5'UTR-AP2)
VP-182 (CIDEA _{33-110aa})	CIDEA _{33-110aa} 3XHA_gibson RP	cgtatgggtaGGGCATCATTCTGGCC	Reverse primer to amplify CIDEA _{33-110aa} for Gibson assembly of CIDEA _{33-110aa} mod mRNA template (lowercase overlaps with 3XHA-3'UTR fragment)
VP-183 (CIDEA _{33-110aa})	3X-HA-3'UTR_gibson FP	atggatgccTACCCATACGATGTTCTCTG	Forward primer to amplify 3XHA-3'UTR for Gibson assembly of CIDEA _{33-110aa} mod mRNA template (lowercase overlaps with CIDEA _{33-110aa} fragment)
VP-184	T7 pro- IVTT-FP	AACGACGCCAGTGAATTGTAATA	Forward primer to amplify T7-IRES-Kozak sequence from pT7CFE1 vector.
VP-185	T7-IRES-Kozak-RP	ATGGGTGGTGGCCATATTATCATC	Reverse primer to amplify T7-IRES-Kozak sequence from pT7CFE1 vector

VP-186	CIDEA (FL)-IVT _{-FP}	gatgataaatggccaccaccatATG GAG GCC GCT AGG GAC	Forward primer to amplify CIDEA-ORF to generate template for CIDEA invitro translation (IVT). (Lower case overlaps with T7-IRES-Kozak sequence)
VP-187	CIDEA (FL)-IVT _{-RP}	TTT TTT TTT TTT TTT TTT TTT TTT TTT TCA GCC GCA GGTGAACCT	Reverse primer to amplify CIDEA-ORF to generate template for CIDEA invitro translation (IVT)
VP-188	LXR α (FL)-IVT _{-FP}	gatgataaatggccaccaccatATGTCCTTGGGCTG GGG	Forward primer to amplify LXR α -ORF to generate template for LXR α invitro translation (IVT). (Lower case overlaps with T7-IRES-Kozak sequence)
VP-189	LXR α (FL)-IVT _{-RP}	TTT TTT TTT TTT TTT TTT TTT TTT TTT TCA TTC GTG CAC ATC CCA G	Reverse primer to amplify LXR α -ORF to generate template for LXR α invitro translation (IVT)
VP-190	RXR α (FL)-IVT _{-FP}	gatgataaatggccaccaccatATGGACCAAAACAT TTCCTG	Forward primer to amplify RXR α α -ORF to generate template for RXR α α invitro translation (IVT). (Lower case overlaps with T7-IRES-Kozak sequence)
VP-191	RXR α α (FL)-IVT _{-RP}	TTT TTT TTT TTT TTT TTT TTT TTT TTT CTA AGT CAT TTG GTG CGG	Reverse primer to amplify RXR α -ORF to generate template for RXR α invitro translation (IVT)
VP-192	PPAR γ (FL)-IVT _{-FP}	gatgataaatggccaccaccatATGGTGACACGGA AAGCC	Forward primer to amplify PPAR γ -ORF to generate template for PPAR γ invitro translation (IVT). (Lower case overlaps with T7-IRES-Kozak sequence)
VP-193	PPAR γ (FL)-IVT _{-RP}	TTT TTT TTT TTT TTT TTT TTT TTT TTT TCAGTACATGCCCTGTAG	Reverse primer to amplify PPAR γ -ORF to generate template for PPAR γ invitro translation (IVT)
VP-194	CIDEA _{1-70aa} -IVT _{-FP}	gatgataaatggccaccaccat ATG GAG GCC GCT AGG GAC	Forward primer to amplify CIDEA _{1-70aa} to generate template for CIDEA _{1-70aa} invitro translation (IVT). (Lower case overlaps with T7-IRES-Kozak sequence)
VP-195	CIDEA _{1-70aa} -IVT _{-RP}	TTT TTT TTT TTT TTT TTT TTT TTT TTT TCATGTTGCTATGACCAGCGC	Reverse primer to amplify CIDEA _{1-70aa} to generate template for CIDEA _{1-70aa} invitro translation (IVT)
VP-196	CIDEA _{1-160aa} -IVT _{-FP}	gatgataaatggccaccaccat ATG GAG GCC GCT AGG GAC TAT GCC	Forward primer to amplify CIDEA _{1-160aa} to generate template for CIDEA _{1-160aa} invitro translation (IVT). (Lower case overlaps with T7-IRES-Kozak sequence)
VP-197	CIDEA _{1-160aa} -IVT _{-RP}	TTT TTT TTT TTT TTT TTT TTT TTT TTT TCAATCGTATGAAACGCTG	Reverse primer to amplify CIDEA _{1-160aa} to generate template for CIDEA _{1-160aa} invitro translation (IVT)
VP-198	CIDEA _{126-184aa} -IVT- FP	gatgataaatggccaccaccat ATG ATT GCT AGG GTT ACG	Forward primer to amplify CIDEA _{126-184aa} to generate template for CIDEA _{126-184aa} invitro translation (IVT). (Lower case overlaps with T7-IRES-Kozak sequence)
VP-199	CIDEA _{126-184aa} -IVT- RP	TTT TTT TTT TTT TTT TTT TTT TTT TTT TCA GGT CAC TTG TGC GGA ATA TGA	Reverse primer to amplify CIDEA _{126-184aa} to generate template for CIDEA _{126-184aa} invitro translation (IVT)

VP-200	CIDEA _{160-219aa} -IVT-FP	gatgataaatggccaccacccat ATG GAT ATC CCG TGC ACT GGA C	Forward primer to amplify CIDEA _{160-219aa} to generate template for CIDEA _{160-219aa} invitro translation (IVT). (Lower case overlaps with T7-IRES-Kozak sequence)
VP-201	CIDEA _{160-219aa} -IVT-RP	TTT TTT TTT TTT TTT TTT TTT TTT TTT TCA GCC GCA GGT GAA CCT GC	Reverse primer to amplify CIDEA _{160-219aa} to generate template for CIDEA _{160-219aa} invitro translation (IVT)
VP-202	CIDEA _{71-160aa} -IVT-FP	gatgataaatggccaccacccat ATGGGT CTG GTG ACC CTC G	Forward primer to amplify CIDEA _{71-160aa} to generate template for CIDEA _{71-160aa} invitro translation (IVT). (Lower case overlaps with T7-IRES-Kozak sequence)
VP-203	CIDEA _{71-160aa} -IVT-RP	TTT TTT TTT TTT TTT TTT TTT TTT TTT TCA GTA TGA AAC GCT GTA C	Reverse primer to amplify CIDEA _{71-160aa} to generate template for CIDEA _{71-160aa} invitro translation (IVT)
VP-204	CIDEA _{33-110aa} -IVT-FP	gatgataaatggccaccacccat ATGGGT CTG GTG ACC CTC G	Forward primer to amplify CIDEA _{33-110aa} to generate template for CIDEA _{33-110aa} invitro translation (IVT). (Lower case overlaps with T7-IRES-Kozak sequence)
VP-205	CIDEA _{33-110aa} -IVT-RP	TTT TTT TTT TTT TTT TTT TTT TTT TTT TCA GGG CAT CCA TTT CTG GCC	Reverse primer to amplify CIDEA _{33-110aa} to generate template for CIDEA _{33-110aa} invitro translation (IVT)
VP-206	CIDEA _{70-184aa} -IVT-FP	gatgataaatggccaccacccat ATG ACA GGT CTG GTG ACC CTC	Forward primer to amplify CIDEA _{70-184aa} to generate template for CIDEA _{70-184aa} invitro translation (IVT). (Lower case overlaps with T7-IRES-Kozak sequence)
VP-207	CIDEA _{70-184aa} -IVT-RP	TTT TTT TTT TTT TTT TTT TTT TTT TTT TCA GGT CAC TTG TGC GG	Reverse primer to amplify CIDEA _{70-184aa} to generate template for CIDEA _{70-184aa} invitro translation (IVT)
VP-208	CIDEA _(1-219Δ[55-63]Δ[166-175]aa) -IVT-FP	gatgataaatggccaccacccat ATG GAG GCC GCT AGG GAC TAT GCC	Forward primer to amplify CIDEA _(1-219Δ[55-63]Δ[166-175]aa) to generate template for CIDEA _(1-219Δ[55-63]Δ[166-175]aa) invitro translation (IVT). (Lower case overlaps with T7-IRES-Kozak sequence)
VP-209	CIDEA _(1-219Δ[55-63]Δ[166-175]aa) -IVT-RP	TTT TTT TTT TTT TTT TTT TTT TTT TTT TCA GCC GCA GGT GAA CCT GCC	Reverse primer to amplify CIDEA _(1-219Δ[55-63]Δ[166-175]aa) to generate template for CIDEA _(1-219Δ[55-63]Δ[166-175]aa) invitro translation (IVT)
VP-210	LXRα _{1-96aa} -IVT-FP	gatgataaatggccaccacccat atg TCC TTG TGG CTG GGG GCC CCTG	Forward primer to amplify LXRα _{1-96aa} to generate template for LXRα _{1-96aa} invitro translation (IVT). (Lower case overlaps with T7-IRES-Kozak sequence)
VP-211	LXRα _{1-96aa} -IVT-RP	TTT TTT TTT TTT TTT TTT TTT TTT TTT tca CTC GTT CCC CAG CAT TTT GG	Reverse primer to amplify LXRα _{1-96aa} to generate template for LXRα _{1-96aa} invitro translation (IVT)
VP-212	LXRα _{97-200aa} -IVT-FP	gatgataaatggccaccacccat atg CTA TGC AGC GTG TGT GGG	Forward primer to amplify LXRα _{97-200aa} to generate template for LXRα _{97-200aa} invitro translation (IVT). (Lower case overlaps with T7-IRES-Kozak sequence)

VP-213	LXR α _{97-200aa} -IVT-RP	TTT TTT TTT TTT TTT TTT TTT TTT TTT tca GGG GGG TGA GGA AGC CCT GG	Reverse primer to amplify LXR α _{1-96aa} to generate template for LXR α _{97-200aa} invitro translation (IVT)
VP-214	LXR α _{205-447aa} -IVT-FP	gatgataaatggccaccacccat atg CAG CTC AGC CCG GAA CAAC	Forward primer to amplify LXR α _{205-447aa} to generate template for LXR α _{205-447aa} invitro translation (IVT). (Lower case overlaps with T7-IRES-Kozak sequence)
VP-215	LXR α _{205-447aa} -IVT-RP	TTT TTT TTT TTT TTT TTT TTT TTT TTT tca TTC GTG CAC ATC CCA GAT CTC	Reverse primer to amplify LXR α _{205-447aa} to generate template for LXR α _{205-447aa} invitro translation (IVT)
VP-216	LXR α _{215-434aa} -IVT-FP	gatgataaatggccaccacccat atg GAG AAG CTC GTC GCT GCC CAGC	Forward primer to amplify LXR α _{215-434aa} to generate template for LXR α _{215-434aa} invitro translation (IVT). (Lower case overlaps with T7-IRES-Kozak sequence)
VP-217	LXR α _{215-434aa} -IVT-RP	TTT TTT TTT TTT TTT TTT TTT TTT TTT tca CTT TTT GTC CTG CAG ACG CAG TGC	Reverse primer to amplify LXR α _{215-434aa} to generate template for LXR α _{215-434aa} invitro translation (IVT)
VP-218	hUCP1 ₋₆₀₀₀₊₁ -FP	TTTTCTCCTTTTCACTCTCTGGTCCTTCC	Forward primer to clone human UCP1 promoter (-6000+1) in BglIII compatible site on pGL3 basic vector
VP-219	hUCP1 ₊₁ -RP	TCACGCCTGTCCGCCGGCAGCAAACCCG	Reverse primer to clone human UCP1 promoter (-6000+1) in BglIII compatible site on pGL3 basic vector
VP-220	hUCP1 ₋₄₀₀₀₊₁ -FP	GTGCATTTGTTAATGTGTTCTAC	Forward primer to clone human UCP1 promoter (-4000+1) in BglIII compatible site on pGL3 basic vector
VP-221	hUCP1 ₋₂₈₀₀₊₁ -FP	AGTGAGTAAAGCAGAAGATAC	Forward primer to clone human UCP1 promoter (-2800+1) in BglIII compatible site on pGL3 basic vector
VP-222	hUCP1 ₋₁₈₀₀₊₁ -FP	TGTAAGCACTACACAGGTGATAAC	Forward primer to clone human UCP1 promoter (-1800+1) in BglIII compatible site on pGL3 basic vector
VP-223	hUCP1 ₋₄₀₀₀₋₂₈₀₀ -RP	CTGCAACATTTGCTCTTGAGC	Reverse primer to clone human UCP1 promoter (-4000-2800) in BglIII compatible site on pGL3 basic vector
VP-224	hUCP1 ₋₃₈₀₀₋₂₈₀₀ -FP	CTCTCTCAACCTGAGGCAAACCTTCTCC	Forward primer to clone human UCP1 promoter (-3800-2800) in BglIII compatible site on pGL3 basic vector
VP-225	hUCP1 ₋₄₀₀₀₋₃₈₅₀ -RP	GCACAAAGAAGAAGCAGAGAGG	Reverse primer to clone human UCP1 promoter (-4000-3850) in BglIII compatible site on pGL3 basic vector
VP-226	Biotin-hUCP1 _{150bp} -FP	5'Biotin-TEG...GTGCATTTGTTAATGTGTTCTACA ...3'	Forward primer to generate biotinylated 150bp human UCP1 distal promoter (-4000-3850) region
VP-227	Biotinylated DR1 oligo	5'Biotin-TEG...GTTGCCCTTGCTCATACTGAC	Probe for DNA-protein pull down assay
VP-228	Biotinylated DR4 oligo	5'Biotin-TEG...GCTACGTCATAAAGGGTCAG	Probe for DNA-protein pull down assay
VP-229 VP-230	ChIP-qPCR 1	ACATTCAGAACTTGCTGCCA.....FP TAGGTCAAGTATGAGCAAGGGC.....RP	ChIP-qPCR Primer sets targeting hUCP1 promoter (-4000-3850)

VP-230 VP-231	ChIP-qPCR 2	ATCATGTGCGAATGTATTGGG.....FP TGCTGACCCCCTAACTCTC.....RP	ChIP-qPCR Primer sets targeting hUCP1 promoter (-5708-5514)
VP-233 VP-234	ChIP-qPCR 3	CTTAGCCATCAGCCTCACAA...FP AAAACCTACCGGATTGACTCT...RP	ChIP-qPCR Primer sets targeting hUCP1 promoter (-2792-2598)
VP-235 VP-236	ChIP-qPCR 4	TGTTAGAGTCAAATCCGGTAGGTT...FP GGGTCTGACCAGTGTCAAGT.....RP	ChIP-qPCR Primer sets targeting hUCP1 promoter (-2403-2207)
VP-237 VP-238	ChIP-qPCR 5	AGGAAAGGCCACACAACCAA...FP AGAGCTAGCCCAGGTCTGAA...RP	ChIP-qPCR Primer sets targeting hUCP1 promoter (-1132-938)
VP-239 VP-240	ChIP-qPCR 6	AGTGATGAAACGAAACGCTCT...FP CTTGAAGAATCCCACACAGGA...RP	ChIP-qPCR Primer sets targeting hUCP1 promoter (-840-646)
VP-241 VP-242	ChIP-qPCR 7	GTCTGGGAGTTGGAGGAATG...FP AAAGTTCTGCCTAGCTGGA.....RP	ChIP-qPCR Primer sets targeting hUCP1 promoter (-646-452)
VP-243 VP-244	qRT-PCR –PGC1 α	TCTGAGTCTGTATGGAGTGACAT...FP CCAAGTCGTTACATCTAGTTCA.....RP	PrimerBank ID : 116284374c1
VP-245 VP-246	qRT-PCR –PGC1 β	GATGCCAGCGACTTTGACTC.....FP ACCCACGTCATCTTCAGGGA.....RP	PrimerBank ID 289577089c1
VP-247 VP-248	qRT-PCR – PRDM16	CTTCGGATGGGAGCAAATACTG...FP TCCACGCAGAAGTTCTCACTG.....RP	PrimerBank ID 289547570c2
VP-249 VP-250	qRT-PCR –CEBPB	CTTCAGCCCCTACCTGGAG.....FP GGAGAGGAAGTCGTGGTGC...RP	PrimerBank ID 28872796a1
VP-251 VP-252	qRT-PCR –DIO2	AGCAGACTACTGGTCTACTCAC...FP CACAGACTAATTTGCCTTGGGA...RP	PrimerBank ID 10863067a1
VP-253 VP-254	qRT-PCR –ELOVL3	CTGTTCCAGCCCTATAACTTCG...FP GAATGAGTTGCCCAATACTCC...RP	PrimerBank ID 23097309c1
VP-255 VP-256	qRT-PCR –UCP1	AGGTCCAAGGTGAATGCC...FP TTACCACAGCGGTGATTGTT...FP	PrimerBank ID 194733736c1
VP-257 VP-258	qRT-PCR –P2RX5	ACCCTCACTATCTTTTAGCCGT...FP CAAATCTGAAGTTGTACCCGGAG...RP	PrimerBank ID 325197204c3
VP-259 VP-260	qRT-PCR –CITED1	GCTGGCTAGTATGCACCTGC...FP CATTGGCTCGGTCCAACCC...RP	PrimerBank ID 222136685c2
VP-261 VP-262	qRT-PCR –CD137	TTGGATGGAAAGTCTGTGCTTG...FP AGGAGATGATCTGCGGAGAGT...RP	PrimerBank ID 315259099c3
VP-263 VP-264	qRT-PCR –TBX1	ACGACAACGGCCACATTATTC...FP CCTCGGCATATTTCTCGTATCT...RP	PrimerBank ID 18104949c1
VP-265 VP-266	qRT-PCR – TMEM26	TGAGACGGCCAAAGTTTTTGT...FP TGGGTAGAAGCCATCTTCCA...RP	PrimerBank ID 197383944c2
VP-267 VP-268	qRT-PCR –MTUS1	TTGACAAATTGAAGCGTTTCCAG...FP CTGCCTTGAGATTGCCATGTG...RP	PrimerBank ID 262050665c2
VP-269 VP-270	qRT-PCR –KCNK3	CTACGAGCACTGGACCTTCT...FP CGTAAGGATGTAGACGAAGCTGA...RP	PrimerBank ID 197245365c1
VP-271 VP-272	qRT-PCR –LHX8	AAGGGGAATGTCTATCACTTGGC...FP TTCCACCAAAGCAAACCTCTC...RP	PrimerBank ID 368711325c2
VP-273 VP-274	qRT-PCR –ZIC1	TGGCCCCGAGCAGAGTAAT...FP CCCTGTGTGCGTCTTTTGT...RP	PrimerBank ID 70778758c3
VP-275 VP-276	qRT-PCR –EBF3	AACAGGCCATCGTCTACGAG...FP GGCGTTTCGTTTCTATTGCCA...RP	PrimerBank ID 347658909c3
VP-277 VP-278	qRT-PCR –PAT2	TGGGGAAGGCATATCGTGAG...FP TGGAATAGCAGTTGTTGGTTGTG...RP	PrimerBank ID 222418630c2
VP-279 VP-280	qRT-PCR –FBXO31	CCACGTCGATGACCCATGAG...FP GCCGTACATGCACCTCACT...RP	PrimerBank ID 217272875c2
VP-281	qRT-PCR –mir206	CTTCCGAGGCCACATGCTT...FP	NCBI/ Primer-BLAST

VP-282		CACTTGCCGAAACCACACT...FP	
VP-283 VP-284	qRT-PCR –mir133b	GAAGAAAGATGCCCCCTGCTC...FP TGAAGGGGACCAAACCTCTC...RP	NCBI/ Primer-BLAST
VP-285 VP-286	qRT-PCR –LEP	TGCCTTCAGAAACGTGATCC...FP CTCTGTGGAGTAGCCTGAAGC...RP	PrimerBank ID 169790920c1
VP-287 VP-288	qRT-PCR –HOXC8	TCCGCCAACACTAACAGTAGC...FP AGCGTGGGGTCTCATCCAT...RP	PrimerBank ID 45580721c3
VP-289 VP-290	qRT-PCR –HOXC9	ATGTATTTAACAGGGACCGTCG...FP GCTCCTTGTCGGTTTTCTCTTT...RP	PrimerBank ID 24497546c3
VP-291 VP-292	qRT-PCR –DPT	GGGGCCAGTATGGCGATTATG...FP CGGTTCAAATCACCCACCC...RP	PrimerBank ID 299758400c1
VP-293 VP-294	qRT-PCR –PPAR γ	ACCAAAGTGCAATCAAAGTGGA...FP ATGAGGGAGTTGGAAGGCTCT...RP	PrimerBank ID 116284372c2
VP-295 VP-296	qRT-PCR –ADIPOQ	AACATGCCCATTCGCTTTACC...FP TAGGCAAAGTAGTACAGCCA...RP	PrimerBank ID 295317371c3
VP-297 VP-298	qRT-PCR –FABP3	CATGACCAAGCCTACCACAAT...FP CCCCAACTTAAAGCTGATCTCTG...RP	PrimerBank ID 62865867c2
VP-299 VP-300	qRT-PCR –FABP4	ACTGGGCCAGGAATTTGACG...FP CTCGTGAAGTGACGCCTT...RP	PrimerBank ID 168480125c1
VP-301 VP-302	qRT-PCR –RXRA	GACGGAGCTTGTGTCCAAGAT.....FP AGTCAGGGTTAAAGAGGACGAT...RP	PrimerBank ID 207028087c3
VP-303 VP-304	qRT-PCR –FASN	AAGGACCTGTCTAGGTTTGATGC..FP TGGCTTCATAGGTGACTTCCA.....RP	PrimerBank ID 41872630c1
VP-305 VP-306	qRT-PCR –SCD1	TTCTACCTGCAAGTTTACACC...FP CCGAGCTTTGTAAGAGCGGT.....RP	PrimerBank ID 53759150c3
VP-307 VP-308	qRT-PCR – FSP27 _{CIDEc}	CAGCAGCTCCTCGATGCTAC.....FP TCAGACAGGTCGGGATAAGGG.....RP	PrimerBank ID 313850982c3
VP-309 VP-310	qRT-PCR –PLIN1	TGGGTGGTGTGGCACATAC.....FP CCTCCCCTGGTTGAGGAGA.....RP	PrimerBank ID 223718195c2
VP-311 VP-312	qRT-PCR – ATGL _{PNPLA2}	ATGGTGGCATTTCAGACAACC.....FP CGGACAGATGTCACTCTCGC.....RP	PrimerBank ID 300796746c2
VP-313 VP-314	qRT-PCR –GOS2	GCCGTGCCACTAAGGTCATT.....FP GATCAGCTCCTGGACCGTTT.....RP	NCBI/ Primer-BLAST
VP-315 VP-316	qRT-PCR –MDH2	GCCATGATCTGCGTCATTGC.....FP CCGAAGATTTTGTGGGGTTGT....RP	PrimerBank ID 21735620c3
VP-317 VP-318	qRT-PCR –IDH3A	CCCGCTGGATCTCTAAGG.....FP AATTTCTGGGCCAATACCATCTC..RP	PrimerBank ID 28178835c1
VP-319 VP-320	qRT-PCR –ACO2	CCCTACAGCCTACTGGTGACT.....FP TGTA CTGTTGGGCTCAAAGT.....RP	PrimerBank ID 46411160c1
VP-321 VP-322	qRT-PCR –PPARA	ATGGTGGACACGGAAAGCC.....FP CGATGGATTGCGAAATCTCTTGG.RP	PrimerBank ID 61744436c1
VP-323 VP-324	qRT-PCR –CPT1	TCCAGTTGGCTTATCGTGGTG.....FP TCCAGAGTCCGATTGATTTTTGC...RP	PrimerBank ID 188595713c1
VP-325 VP-326	qRT-PCR –CPT2	CTGGAGCCAGAAGTGTCCAC.....FP AGGCACAAAGCGTATGAGTCT.....RP	PrimerBank ID 169790951c2
VP-327 VP-328	qRT-PCR – VLCAD _{ACADVL}	ACAGATCAGGTGTTCCCATACC.....FP CTTGGCGGGATCGTTCACTT.....RP	PrimerBank ID 76496473c1
VP-329 VP-330	qRT-PCR – LCAD _{ACADL}	TGCAATAGCAATGACAGAGCC.....FP CGCAACTACAATCACAACATCAC...RP	PrimerBank ID 188497706c2

VP-331 VP-332	qRT-PCR – MCAD _{ACADM}	TGGATAACCAACGGAGGAAAAG....FP CTGGGGTATCTGCTTCCACA.....RP	PrimerBank ID 187960096c2
VP-333 VP-334	qRT-PCR –NDUFS1	TGGAAGACAAGAACATTGGGC.....FP GCAAACCTGATGCAGCGAG.....RP	PrimerBank ID 316983153c2
VP-335 VP-336	qRT-PCR –NDUFS2	GTCCGATTGCCGATTCAGC.....FP GCTTGGGTACATAACAGTCC.....RP	PrimerBank ID 260898742c1
VP-337 VP-338	qRT-PCR –NDUFS3	ACTGTCAGACCACGGAATGAT.....FP GGGCAAGATTTCAAGCCACATAC....RP	PrimerBank ID 226423900c1
VP-339 VP-340	qRT-PCR –NDUFB8	ACAGGAACCGTGTGGATACAT.....FP CCCCACCCAGCACATGAAT.....RP	PrimerBank ID 56676316c2
VP-341 VP-342	qRT-PCR –SDHA	TGGCATTCTACGACACCGTG.....FP GCCTGCTCCGTATGTAGTG.....RP	PrimerBank ID 156416002c3
VP-343 VP-344	qRT-PCR –SDHB	ACCTTCGAAGATCATGCAGA.....FP GTGCAAGCTAGAGTGTTCCT.....RP	PrimerBank ID 115387093c2
VP-345 VP-346	qRT-PCR – UQCRC2	AATTCGTCGTTGGGAAGTAGC.....FP ATGAGTCTGCGGATTCGAAAG.....RP	PrimerBank ID 50592987c3
VP-347 VP-348	qRT-PCR –UQCRH	GAGGACGAGCAAAGATGCTT.....FP CGAGAGGAATCACGCTCATCA.....RP	PrimerBank ID 5174745a1
VP-349 VP-350	qRT-PCR –COX4I1	CAGGGTATTTAGCCTAGTTGGC.....FP GCCGATCCATATAAGCTGGGA.....RP	PrimerBank ID 325301085c1
VP-351 VP-352	qRT-PCR –COX7C	GGTCCGTAGGAGCCACTATGA.....FP GTGTCTTACTACAAGGAAGGGTG...RP	PrimerBank ID 18105039c1
VP-353 VP-354	qRT-PCR –COX5B	TGTGAAGAGGACAATACCAGCG.....FP CCAGCTTGTAATGGGCTCCAC.....RP	PrimerBank ID 17017987c2
VP-355 VP-356	qRT-PCR –COX8A	GCCAAGATCCATTGTTGCC.....FP CTCTGGCCTCCTGTAGGTCT.....RP	PrimerBank ID 4758044a1
VP-357 VP-358	qRT-PCR –ATP5A1	GTATTGCCCGCTACATGG.....FP AGGACATACCCTTTAAGCCTGA.....RP	PrimerBank ID 382546178c1
VP-359 VP-360	qRT-PCR –ATP5G2	CCCTCCTGGTCAAGAGCAC.....FP GTATCTCCGGTCTTTACGA.....RP	PrimerBank ID 85794864c1
VP-361 VP-362	qRT-PCR –ATP5B	AAACAATTTGCTCCATTTCATGC....FP GACAACCTTGATACCAGTCACC.....RP	PrimerBank ID 50345985c2
VP-363 VP-364	qRT-PCR – CIDEA _{Exon 2}	TAAGCGAGTCTGTTCACCC.....FP GGCTGCTCCTGTCATGGTT.....RP	NCBI/ Primer-BLAST
VP-365 VP-366	qRT-PCR – CIDEA _{Exon 3}	ACTCTGGATGCCCTCGTCAT.....FP ACTCTTCTGTGCCACCACG.....RP	NCBI/ Primer-BLAST
VP-367 VP-368	qRT-PCR – CIDEA _{Exon 4}	CCGAAGAGGTCGGGAATAGC.....FP TTCACGTTAAGGCAGCCGAT.....RP	NCBI/ Primer-BLAST
VP-369 VP-370	qRT-PCR – CIDEA _{Exon 5}	AGGTGACGGGACAGTTTCTC.....FP GATGGCCGCTCTTCTTGT.....RP	NCBI/ Primer-BLAST
VP-371 VP-372	qRT-PCR –CIDEA _{FL}	CTTGGGAGACAACACGCATTT.....FP TCTCGCTATTTCCCGACCTCT.....RP	PrimerBank ID 156523971c3
VP-373	qRT-PCR –HOXC9		
VP-374	β2-M	GCTGGGTAGCTCTAAACAATGTAT TCA	CCATGTACTAACAATGTCTAAAATGGT
VP-375	Mt-D-Loop		CTAAATAGCCACACGTTCCC