Synthetic oligonucleotides are purchased from IDT, Integrated DNA Technologies, Inc
https://www.idtdna.com/pages

Primers

✓You will be ordering the six LAMP primers listed in the table below.

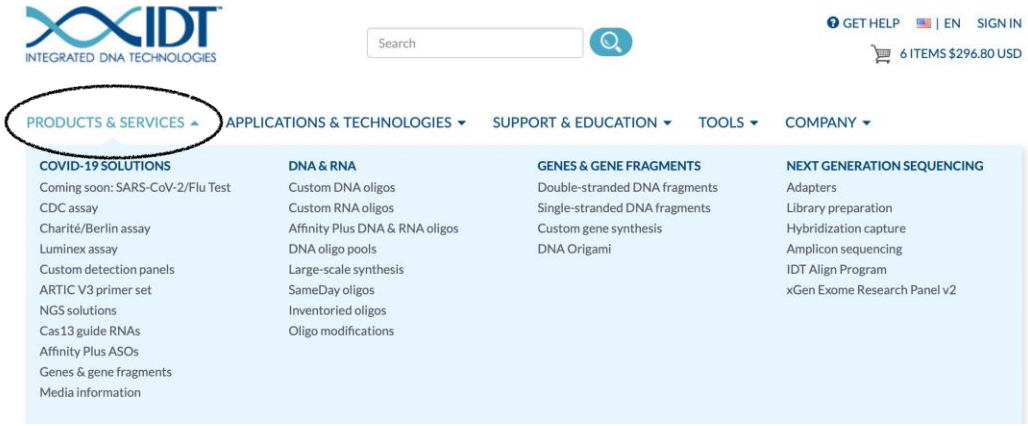
✓Download an Excel spreadsheet with the primer sequences here

Name	Sequence	Scale	Purification
p1825, LAMP.168-F3	GAATCGTTTGAATCGTAAGAGA	250 nmole DNA Oligo	Standard Desalting
p1826, LAMP.168-B3	CAGACAAATAAATACGATTCCTTTC	250 nmole DNA Oligo	Standard Desalting
p1827, LAMP.168-FIP	AATGACTCCTGCGGCTTCTTTCGTATTTTGGGTTCGAAGA	1 umole DNA Oligo	Standard Desalting
p1828, LAMP.168-BIP	TCAAAGACGTCGTCTGGTTGTCATCATTACGTCCTCCACC	1 umole DNA Oligo	Standard Desalting
p1842, LAMP.168-LB	GCTTTTAAAAACGACGTGT	250 nmole DNA Oligo	Standard Desalting
p1857, LAMP.168-LF	TTCACGCCAACAACAAGT	250 nmole DNA Oligo	Standard Desalting

STEP 1

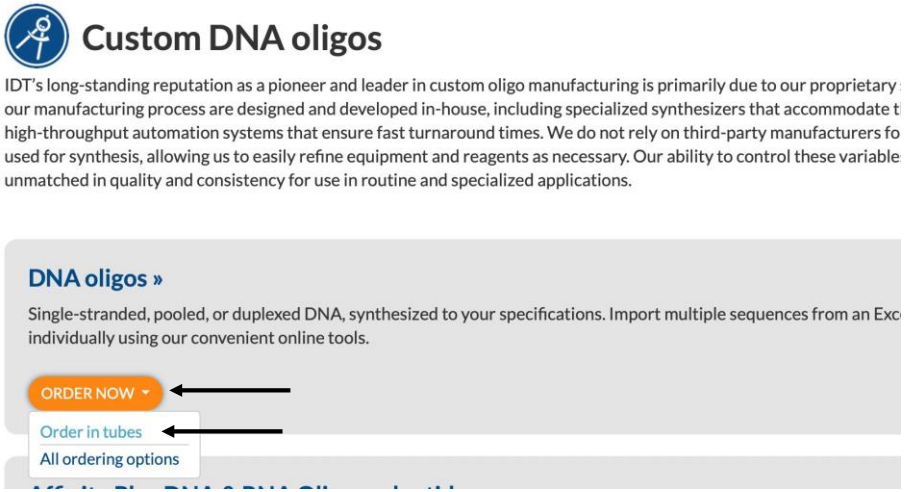
✓**Go to the IDT DNA technologies page**

✓**Under the Products and Services Tab, Click on Custom DNA Oligos**



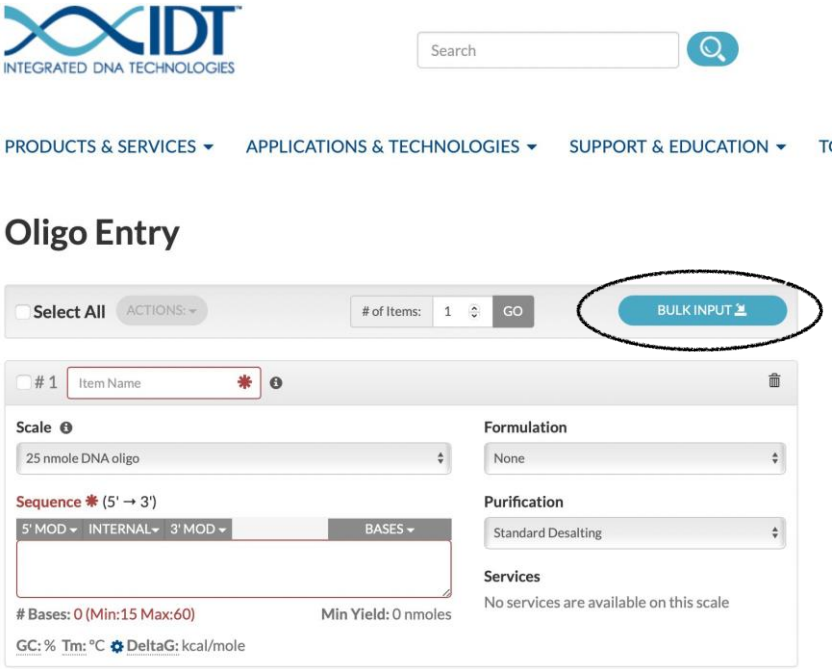
STEP 2

✓ **Under Custom DNA oligos, select "Order Now" and "Order in tubes"**



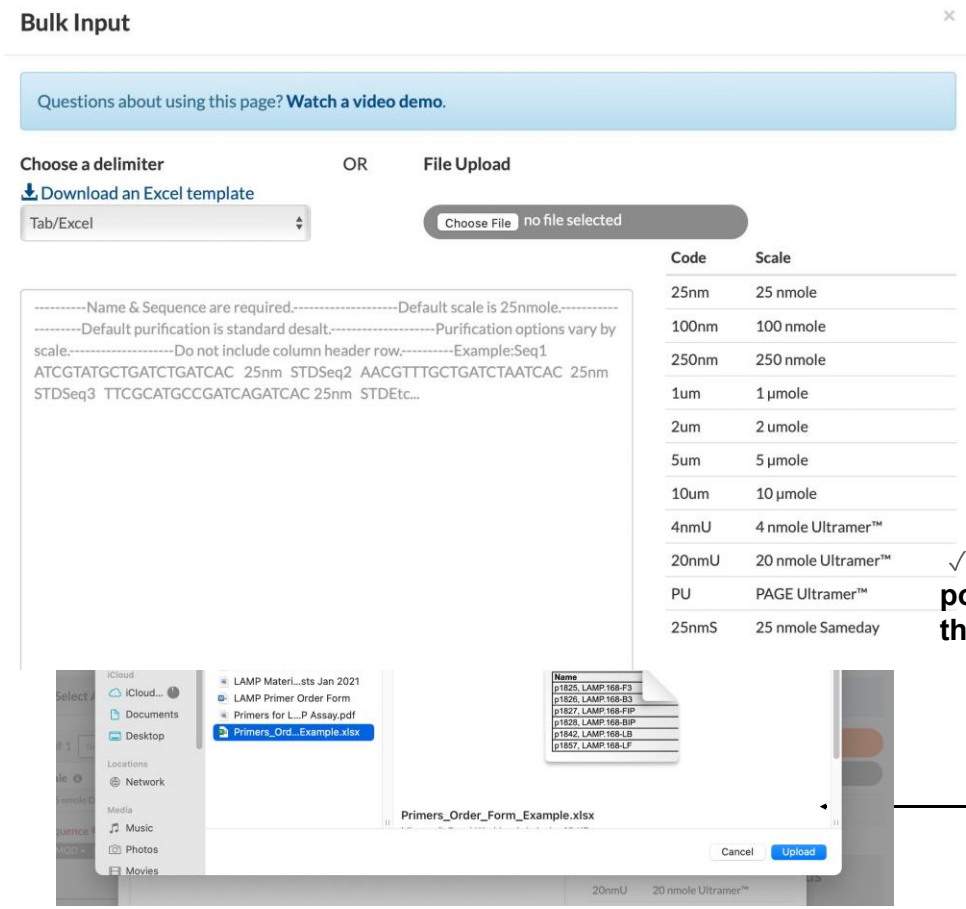
STEP 3

✓ **The Oligo Entry form will pop up. Select "Bulk Input"**



STEP 4

✓**Choose "File Upload" and upload the Excel spreadsheet with the six primers**

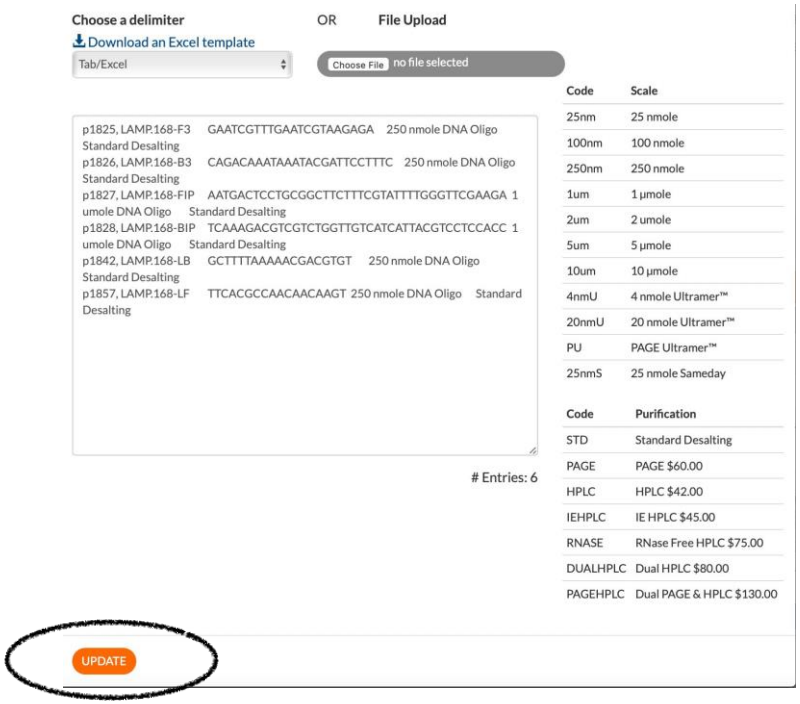


STEP 5

✓**This upload window will pop-up and you can choose the Excel spreadsheet with the six primers**

STEP 6

✓The information from the spreadsheet will populate the box. Then, click on "Update"

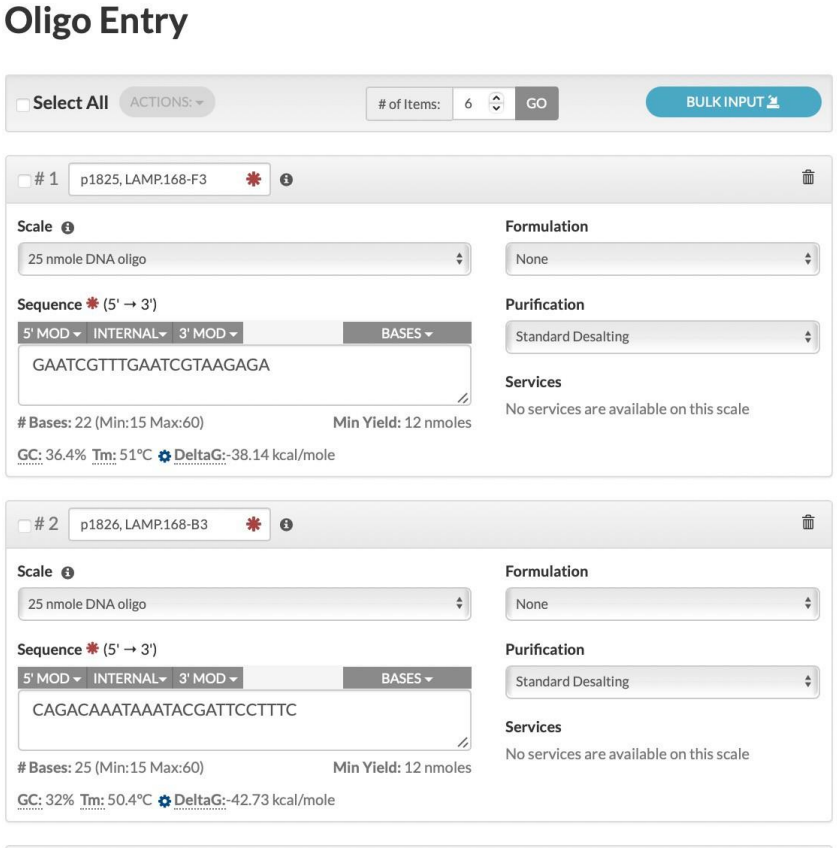


This message will appear after select "**Update**" . This is OK.

STEP 7

✓ Close out of the "Bulk Input" Form.

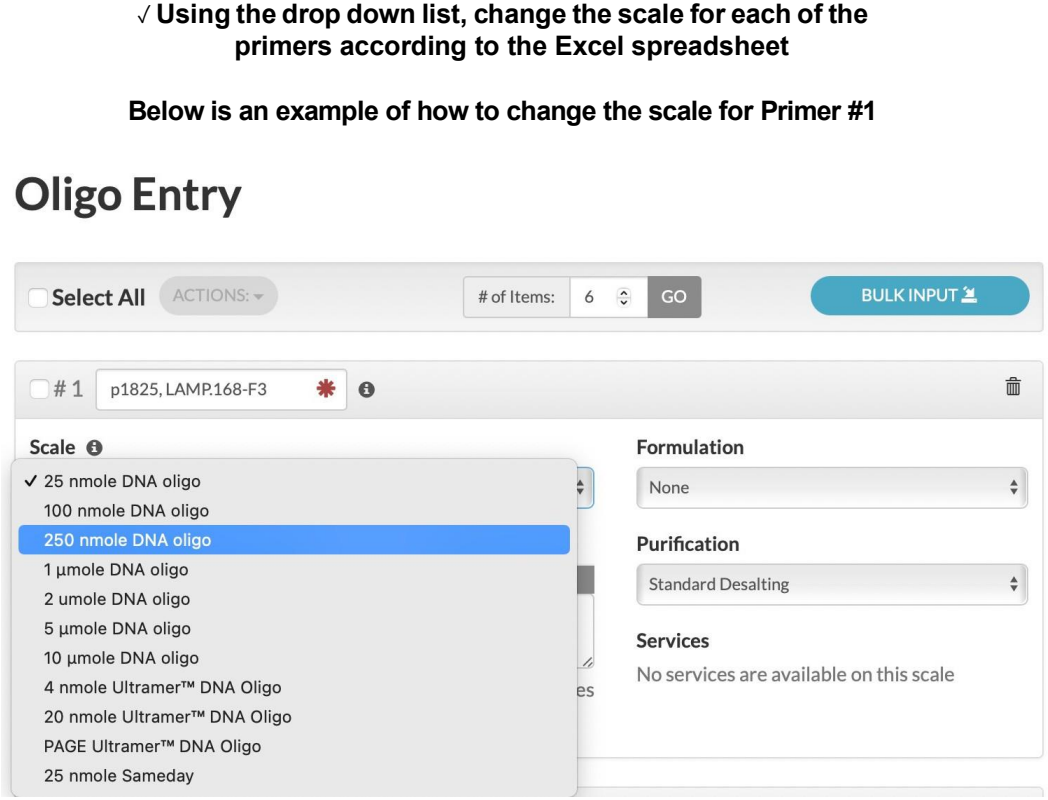
Behind this form, you will see that the primer information from the Excel file has populated the entry



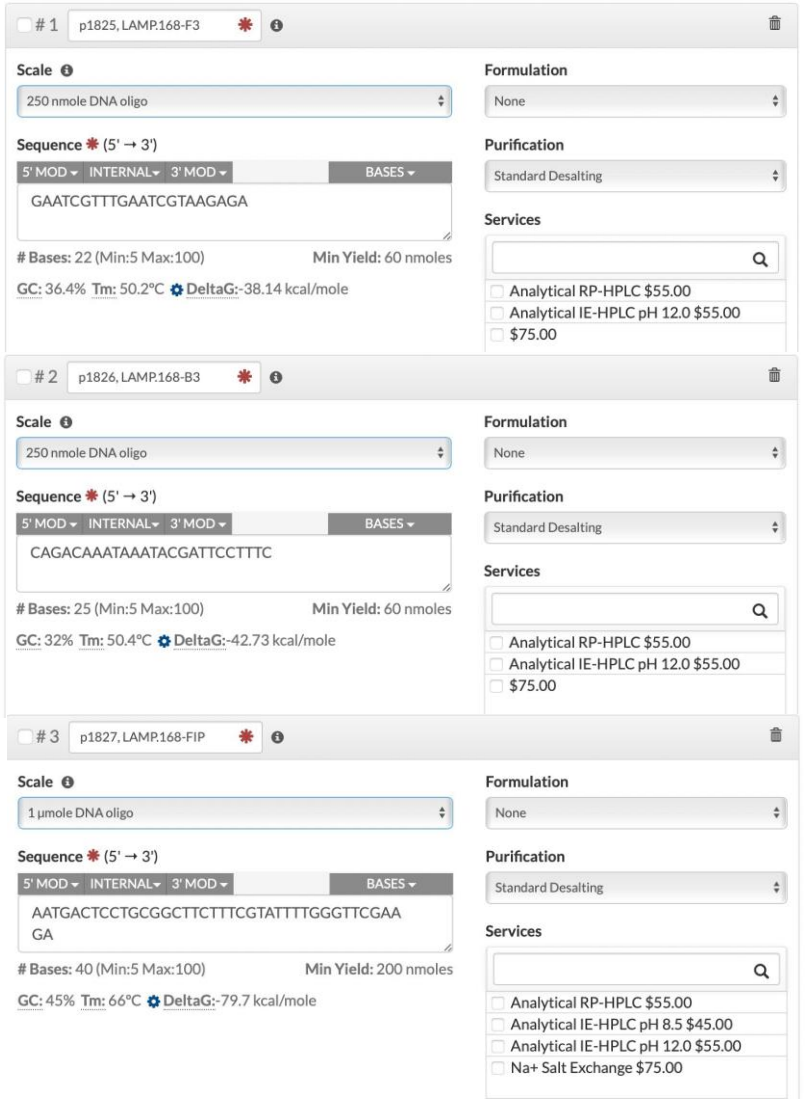
STEP 8

✓ Using the drop down list, change the scale for each of the primers according to the Excel spreadsheet

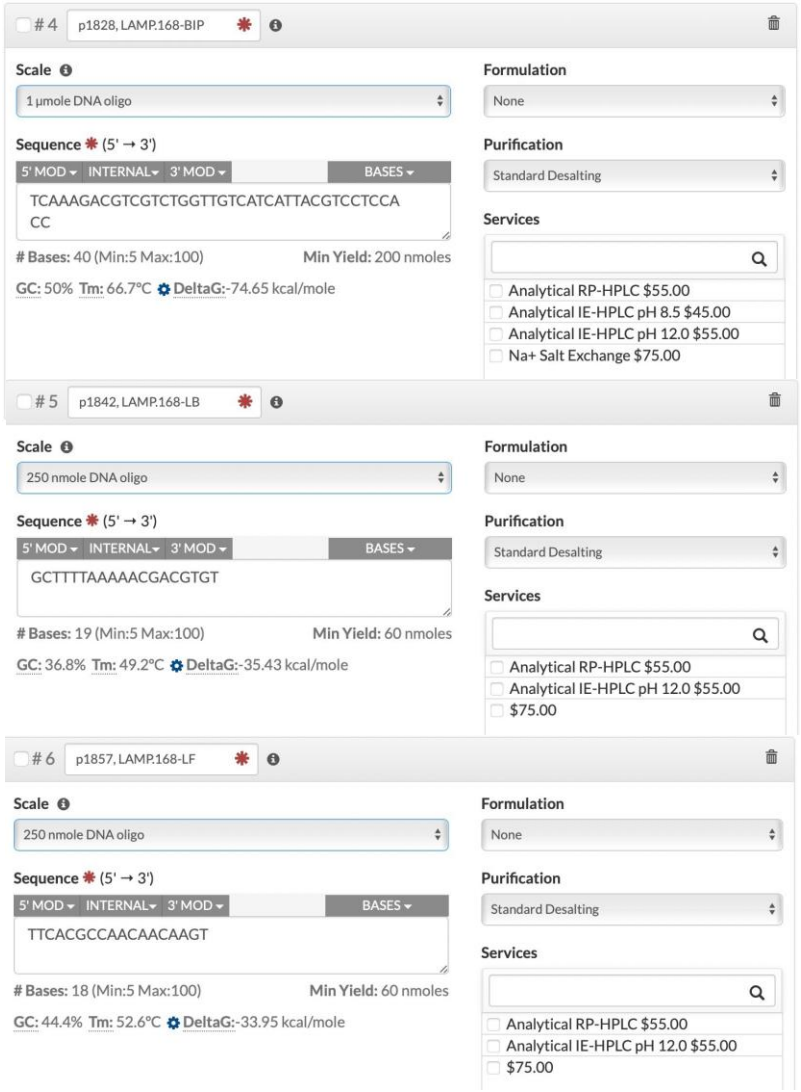
Below is an example of how to change the scale for Primer #1



✓ The scales are changed for Primers 1 through 3

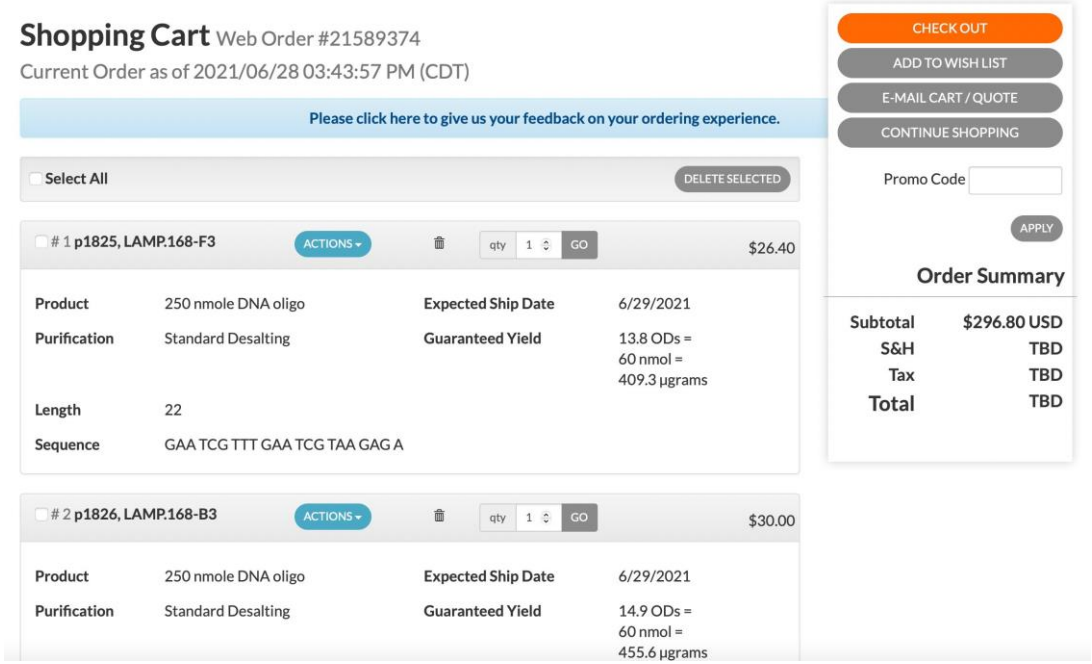


✓**The scales are changed for Primers 4 through 6**



STEP 9

✓**Once all of the scales have been updated on the primers, add them to the Shopping Cart and Check Out**



STEP 10

The Primers will be sent to you in a powder form and need to be resuspended by a lab.

Below is the protocol to be followed by the lab:

The LAMP primers from Integrated DNA Technologies need to be re-suspended in a buffer ('TE', 10mM Tris pH 8.0, 1.0 mM EDTA) to a concentration of 1mM. The 1mM oligonucleotides then need to be diluted in water to their respective concentrations to make up the LAMP primer stock. Aliquots of 12.5 µl (micro liter) will be needed.

LAMP Set I				10X LAMP primer mix			
			Final Concentration (µM)	Volume (µl) of 1 mM stock	Volume (µl) of 1 mM stock	Volume (µl) of 1 mM stock	Volume (µl) of 1 mM stock
				To make 200 µl	To make 200 µl	To make 1000 µl	To make 5000 µl
p1825	LAMP.168-F3	GAATCGTTTGAATCGTAAGAGA	0.2	0.4	1	2	10
p1826	LAMP.168-B3	CAGACAAATAAATACGATTCCTTTC	0.2	0.4	1	2	10
p1827	LAMP.168-FIP	AATGACTCCTGCGGCTTCTTTCGTATTTTGGGTTCGAAGA	1.6	3.2	8	16	80
p1828	LAMP.168-BIP	TCAAAGACGTCGTCTGGTTGTCATCATTACGTCCTCCACC	1.6	3.2	8	16	80
p1842	LAMP.168-LB	GCTTTTAAAAACGACGTGT	0.4	0.8	2	4	20
p1857	LAMP.168-LF	TTCACGCCAACAACAAGT	0.4	0.8	2	4	20
			Total	8.8	22	44	220
			Water to 200 µl	191.2			
			Water to 500 µl		478		
			Water to 1000 µl			956	
			Water to 5000 µl				4780