Depart Part		N	Nadia's							Fragment	Conc provided to	Vol provided	Class Group	,		Measured	Vol into	Total	Adapter conc	# PCR	%		Conc (nM),					Under-		
1. 1. 1. 1. 1. 1. 1. 1.		sa								Analysis	student	to student	I = TuW	Lab Team		RNA Conc	prep		used				size	Max pull vol	DNA in this vol		DNA in this vol			
B		#	† Name	re	eplicate	replicate	Treatment	Sex	260/280	RQN	(ng/uL)	(uL)	II = ThF	1, 2, or 3	Student name	(ng/uL)	(uL)	prep (uL)	(uM)	used	1000b range dimer	avg of 3 reps	corrected	(uL)	(nmol)	(uL)	(nmol)	in pool by	Adapter used	Index sequence (dual matched = i5 same as i7)
Tee Tee Part Pa		1	RAL306W+N	<i>l</i> 1		Α	Infected			9.0		52	Group I	Team 2	Ally			275	1.5	11	??? ???	0.0110	#VALUE!			10.00	0.00000110	95%	F05	ATAGAGCG
A		1				В	Infected					JL	Group II	Team 3							??? ???	0.0078	#VALUE!			10.00	0.000000078	96%	E07	GTGGTATG
Section Continue	١	?		_		?	Infected		_			52	Group II	Team 3	Annie				1.5	_		0.0001	#VALUE!			10.00	0.000000001	100%	E06	GTCAACAG
A		2				Α	Infected					52	Group I	Team 2	Anastasiya			213	1.5	11		4.8148	4.525			0.45	0.000002056		G02	TACACACG
Second Column Second Colum		2	RAL306W+N	<i>1</i> 2 2		С	Infected	Male	1.95	9.4	5.77	52	Group II	Team 3	Wyatt	5.56	50	278	1.5	11	???	0.0034	#VALUE!			10.00	0.00000034	98%	F03	CACACATC
Sec. S. MA.S. MA.S. MA.S. M.S.	:	?	RAL306W+N	//3 ?		?	Infected	Male	1.95	9.8	5.77	52	Group II	Team 3	Annie	6.73	50	337	1.5	11	???	0.0000	#VALUE!			10.00	0.000000000	100%	H06	AAGCCTGA
13 48		3	RAL306W+N	/I3 3		В	Infected	Male	1.95	9.8	5.77	52	Group II	Team 2	Jared	5.77	50	289	1.5	11	???	0.1577	#VALUE!			10.00	0.000001577	23%	F10	GTCTGCAA
13 48		3	RAL306W+N	/I3 3		С	Infected	Male	1.95	9.8	5.77	52	Group I	Team 3	David	4.52	50	226	1.5	11	???	0.0714	#VALUE!			10.00	0.000000714	65%	G10	AAGGCGTA
AC		4	1 RAL306W+N	<i>1</i> 4 4		Α	Infected	Male	2.04	8.7	5.77	52	Group I	Team 1	Hope	5.67	50	284	1.5	11	429 3.0%	0.6720	0.708			2.90	0.000002056		G04	AGCTAGTG
SA S. SALDOWFE 1 N. Network Sal		4	1 RAL306W+N	<i>1</i> 4 4		В	Infected			8.7		52	Group I	Team 1	Tony	4.56	50	228	1.5	11	???	0.0858	#VALUE!			10.00	0.000000858	58%	H11	CTGTACCA
S		4	RAL306W+N	<i>1</i> 4 4		С	Infected	Male	2.04	8.7	5.77	52	Group II	Team 1	Ryan	3.31	50	166	1.5	11	???	0.0126	#VALUE!			10.00	0.00000126	94%	F09	TTGGACTG
SC S AAJ-000W-F2 1 C offected Female 2.3 9.8 S. 77 52 Group Female 1.0 fo. S. 83 SO 22 1.5 11 419 7.3 N 0.892 0.312		5	RAL306W+F	1 1		Α	Infected	Female	2.13	9.8	5.77	52	Group I	Team 3	Brett	5.83	50	292	1.5	11	393 0.5%	0.4332	0.498			4.13	0.000002056		F08	CTGAACGT
S		5	RAL306W+F	1 1		В	Infected	Female	2.13	9.8	5.77	52	Group I	Team 2	Paula	6.03	50	302	1.5	11	???	0.1245	#VALUE!			10.00	0.000001245	39%	E02	GACGAACT
17 18 6 6 AA.300W-72 2 8 No. Infected Female 1.99 6.7 5.77 5.2 Group Female 5.0 Group Female 5.0 Sec. 1.1 2.2 3.9 3.7 5.7 5.2 Group Female 5.0 Sec. 1.1 3.0 3.0 3.2 1.5 1.1 4.5 3.0 3.1 3.0		5	RAL306W+F	1 1		С	Infected	Female	2.13	9.8	5.77	52	Group I	Team 1	Josh	5.83	50	292	1.5	11	419 7.3%	0.2892	0.312			6.59	0.000002056		E03	CTTCGCAA
Secondary Seco		6	RAL306W+F	2 2		Α	Infected	Female	2.19	9.7	5.77	52	Group I	Team 2	Ally	6.48	50	324	1.5	11	487 0.6%	8.8684	8.231			0.25	0.000002056		G08	TCGTGCAT
19 7A 7		6	RAL306W+F	2 2		В	Infected	Female	2.19	9.7	5.77	52	Group I	Team 2	Anastasiya	7.72	50	386	1.5	11	428 0.6%	9.3421	9.866			0.21	0.000002056		G07	CAATCAGG
78		6	RAL306W+F	2 2		С	Infected	Female	2.19	9.7	5.77	52	Group II	Team 3	Seve	7.11	50	356	1.5	11	414 7.2%	1.6130	1.761			1.17	0.000002056		H03	TGGAAGCA
Team		7	7 RAL306W+F	3 3		Α	Infected	Female	2.12	9.9	5.77	52	Group I	Team 3	Gera	6.43	50	322	1.5	11	459 0.1%	19.1685	18.876			0.11	0.000002056		G12	CGTGTGAT
23		7	7 RAL306W+F	3 3		В	Infected	Female	2.12	9.9	5.77	52	Group I	Team 1	Ben	7.10	50	355	1.5	11	???	0.0000	#VALUE!			10.00	0.000000000	100%	F02	AGATTGCG
88 8 8 8 8 8 8 8 8		7	7 RAL306W+F	3 3		С	Infected	Female	2.12	9.9	5.77	52	Group II	Team 2	Thomas	7.11	50	356	1.5	11	449 0.1%	4.0640	4.091			0.50	0.000002056		H02 or H05 ?	AGTCGAAG ACGAGAAC
SC S ALSGEW-F4 4 C Infected Female 2.08 9.3 5.77 52 Group Team 1 Nicole 6.42 50 321 1.5 11 7?? 1.2% 0.124 WALUE		8	RAL306W+F	4 4		Α	Infected	Female	2.08	9.3	5.77	52	Group I	Team 3	Brett	7.04	50	352	1.5	11	???	0.0379	#VALUE!			10.00	0.00000379	82%	E09	GACGTCAT
25 9A 9 RALJOOW-M1 1 A Uninfected Male 2.15 8.0 5.77 52 Group 1 Team 3 David 9.22 50 461 1.5 11 7?? 7?? 7.78 8.103 7.78		8	RAL306W+F	4 4		В	Infected	Female	2.08	9.3	5.77	52	Group I	Team 1	Tony	5.54	50	277	1.5	11	448 0.0%	0.5527	0.558			3.69	0.000002056		G11	TCTTACGG
Process of the contract of t		8	RAL306W+F	4 4		С	Infected	Female	2.08	9.3	5.77	52	Group II	Team 1	Nicole	6.42	50	321	1.5	11	??? 1.2%	0.1245	#VALUE!			10.00	0.000001245	39%	G09	TAACGTCG
28 10A 10 RALSORW-M2 2 A Uninfected Male 2.16 4.4 5.77 52 Group II Team 1 Nicole 5.02 50 251 1.5 11 7?? 7?? 0.013 avalue 2.9 10B 10 RALSORW-M2 2 B Uninfected Male 2.16 4.4 5.77 52 Group II Team 2 Nick 5.22 50 261 1.5 11 460 0.4% 7.370 7.241 1.0 1.0 1.0 1.0 RALSORW-M2 2 C C Uninfected Male 2.16 4.4 5.77 52 Group II Team 3 Spencer 5.58 50 299 1.5 11 460 0.4% 7.370 7.241 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.		9	RAL306W-N	11 1		Α	Uninfected	Male	2.15	8.0	5.77	52	Group I	Team 3	David	9.22	50	461	1.5	11	???	0.0214	#VALUE!			10.00	0.000000214	90%	E08	CCAACTTC
29 108 10 RAL306W-M2 2 8 Uninfected Male 2.16 4.4 5.77 52 Group Team 2 Nick 5.22 50 261 1.5 11 460 0.4% 7.370 7.241 1.801		9	RAL306W-N	11 1		С	Uninfected	Male	2.15	8.0	5.77	52	Group II	Team 3	Spencer	6.21	50	311	1.5	11	445 0.8%	7.978	8.103			0.25	0.000002056		E04	ATGGCGAT
10C 10C 10C RAL306W-M2 2 C Uninfected Male 2.16 4.4 5.77 52 Group II Team 3 Spencer 5.98 50 299 1.5 11 456 0.1% 12.914 12.801 131 11 11 RAL306W-M3 3 A Uninfected Male 2.04 8.4 5.77 52 Group II Team 1 Matt 4.84 50 242 1.5 11 334 2.7% 0.152 0.206 10 0.0000 132 11 11 RAL306W-M3 3 C Uninfected Male 2.04 8.4 5.77 52 Group II Team 3 Seve 5.74 50 287 1.5 11 277 277 0.082 278 2		10	10 RAL306W-N	12 2		Α	Uninfected	Male	2.16	4.4	5.77	52	Group II	Team 1	Nicole	5.02	50	251	1.5	11	???	0.013	#VALUE!			10.00	0.00000134	94%	F04	GAGCAATC
11A 11 RAL306W-M3 3 A Uninfected Male 2.04 8.4 5.77 52 Group II Team 1 Matt 4.84 50 242 1.5 11 334 2.7% 0.152 0.206 10 0.00001 32 11B 11 RAL306W-M3 3 B Uninfected Male 2.04 8.4 5.77 52 Group II Team 3 Seve 5.74 50 287 1.5 11 ??? ??? 0.082 #ALUEI 33 11C 11 RAL306W-M3 3 C Uninfected Male 2.04 8.4 5.77 52 Group II Team 2 Nick 4.64 50 232 1.5 11 444 0.1% 19.181 19.527 334 12A 12 RAL306W-M4 4 A Uninfected Male 2.03 8.6 5.77 52 Group II Team 2 Thomas 7.44 50 372 1.5 11 104 0.6% 4.304 18.706		10	10 RAL306W-N	12 2		В	Uninfected	Male	2.16	4.4	5.77	52	Group II	Team 2	Nick	5.22	50	261	1.5	11	460 0.4%	7.370	7.241			0.28	0.000002056		H01	AACAGGTG
11B 11 RAL306W-M3 3 8 Uninfected Male 2.04 8.4 5.77 52 Group II Team 3 Seve 5.74 50 287 1.5 11 ??? ??? 0.082 #VALUEI 33 11C 11 RAL306W-M3 3 C Uninfected Male 2.04 8.4 5.77 52 Group II Team 2 Nick 4.64 50 232 1.5 11 444 0.1% 19.181 19.527 1.5 11 104 0.6% 4.044 11.706 1.5		10	10 RAL306W-N	12 2		С	Uninfected	Male	2.16	4.4	5.77	52	Group II	Team 3	Spencer	5.98	50	299	1.5	11	456 0.1%	12.914	12.801			0.16	0.000002056		E11	GATCCACT
11		1:	11 RAL306W-N	13 3		Α	Uninfected	Male	2.04	8.4	5.77	52	Group II	Team 1	Matt	4.84	50	242	1.5	11	334 2.7%	0.152	0.206	10	0.000002056	10.00	0.000002056	0%	E01	TACTGCTC
12A 12 RAL306W-MA 4 A Uninfected Male 2.03 8.6 5.77 52 Group II Team 2 Thomas 7.44 50 372 1.5 11 104 0.6% 4.304 18.706 135 12B 12 RAL306W-MA 4 B Uninfected Male 2.03 8.6 5.77 52 Group II Team 1 Ryan 3.86 50 193 1.5 11 ??? ??? 7.70 0.001 MALUEI 1.5		1:	11 RAL306W-N	13 3		В	Uninfected	Male	2.04	8.4	5.77	52	Group II	Team 3	Seve	5.74	50	287	1.5	11	???	0.082	#VALUE!			10.00	0.000000820	60%	H10	GAACGGTT
12B 12 RAL306W-M4 4 8 Uninfected Male 2.03 8.6 5.77 52 Group II Team 1 Ryan 3.86 50 193 1.5 11 ??? ??? 0.001 IVALUEI 138		1:	11 RAL306W-N	13 3		С	Uninfected	Male	2.04	8.4	5.77	52	Group II	Team 2	Nick	4.64	50	232	1.5	11	444 0.1%	19.181	19.527	•		0.11	0.000002056		E05	ACATGCCA
12C 12		12	12 RAL306W-N	14 4		A	Uninfected		2.03			52	Group II	Team 2	Thomas		50	372	1.5	11	104 0.6%	4.304	18.706			0.11	0.000002056		H02 or H05 ?	AGTCGAAG ACGAGAAC
138 13		12	12 RAL306W-N	14 4		В	Uninfected	Male	2.03	8.6		52	Group II	Team 1	Ryan	3.86	50	193	1.5	11	??? ???	0.001	#VALUE!			10.00	0.00000011	99%	H04	стсеттст
39 13C 13 RAL306W-F1 1 C Uninfected Female 2.17 9.1 5.77 52 Group II Team 2 Abbie 4.75 50 238 1.5 11 430 3.7% 2.5838 2.716 40 14A 14 RAL306W-F2 2 A Uninfected Female 2.12 9.1 5.77 52 Group II Team 2 Abbie 4.57 50 229 1.5 11 389 6.7% 0.6152 0.715 41 14B 14 RAL306W-F2 2 B Uninfected Female 2.12 9.1 5.77 52 Group II Team 1 Matt 5.61 50 281 1.5 11 7?? 7?? 7?? 0.0319 IVALUE II 42 14 RAL306W-F2 2 C Uninfected Female 2.12 9.1 5.77 52 Group II Team 3 Gera 5.82 50 291 1.5 11 452 0.1% 17.8519 17.852 43 15A 15 RAL306W-F3 3 A Uninfected Female 2.15 9.1 5.77 52 Group II Team 1 Ben 5.59 50 280 1.5 11 2?? 2?? 0.0083 IVALUE II 45B 15 RAL306W-F3 3 B Uninfected Female 2.15 9.1 5.77 52 Group II Team 1 Ben 5.59 50 280 1.5 11 2?? 2?? 0.0083 IVALUE II 46 16A 16 RAL306W-F4 4 B Uninfected Female 2.11 8.1 5.77 52 Group II Team 1 Pranav 4.63 50 232 1.5 11 2?? 2?? 0.0083 IVALUE II 46 16A 16 RAL306W-F4 4 B Uninfected Female 2.11 8.1 5.77 52 Group II Team 1 Pranav 5.71 50 286 1.5 11 408 3.9% 0.5203 0.576		12	12 RAL306W-N	14 4		С	Uninfected	Male	2.03	8.6	5.77	52	Group II	Team 2	Jared	4.29	50	215	1.5	11	522 0.9%	9.076	7.859			0.26	0.000002056		F06	GACCGATA
40		13	13 RAL306W-F	1 1		В	Uninfected	Female	2.17	9.1	5.77	52	Group I	Team 1	Josh	6.08	50	304	1.5	11	???	0.1369	#VALUE!			10.00	0.000001369	33%	E10	ACGTCCAA
41		13	13 RAL306W-F	1 1		С	Uninfected	Female	2.17	9.1	5.77	52	Group II	Team 2	Abbie	4.75	50	238	1.5	11	430 3.7%	2.5838	2.716			0.76	0.000002056		F12	GATGGAGT
42 14C 14 RAL306W-F2 2 C Uninfected Female 2.12 9.1 5.77 52 Group I Team 3 Gera 5.82 50 291 1.5 11 452 0.1% 17.8519 17.852 43 15A 15 RAL306W-F3 3 A Uninfected Female 2.15 9.1 5.77 52 Group I Team 1 Ben 5.59 50 280 1.5 11 2?? 2?? 0.0083 #VALUE! 44 15B 15 RAL306W-F3 3 B Uninfected Female 2.15 9.1 5.77 52 Group II Team 1 Pranav 4.63 50 232 1.5 11 2?? 2?? 0.0083 #VALUE! 46 16A 16 RAL306W-F4 4 A Uninfected Female 2.11 8.1 5.77 52 Group II Team 1 Pranav 5.71 50 286 1.5 11 2?? 2?? 0.0064 #VALUE! 47 16B 16 RAL306W-F4 4 B Uninfected Female 2.11 8.1 5.77 52 Group II Team 1 Hope 7.11 50 356 1.5 11 408 3.9% 0.5203 0.576		14	14 RAL306W-F	2 2		Α	Uninfected	Female	2.12	9.1	5.77	52	Group II	Team 2	Abbie	4.57	50	229	1.5	11	389 6.7%	0.6152	0.715			2.88	0.000002056		G01	AGGTCAAC
43		14	14 RAL306W-F	2 2		В	Uninfected	Female	2.12	9.1	5.77	52	Group II	Team 1	Matt	5.61	50	281	1.5	11	???	0.0319	#VALUE!			10.00	0.00000319	84%	E12	AGCCTATC
44 15B 15 RAL306W-F3 3 B Uninfected Female 2.15 9.1 5.77 52 Group II Team 1 Pranav 4.63 50 232 1.5 11 ??? ??? 0.0052 #VALUE! 46 16A 16 RAL306W-F4 4 A Uninfected Female 2.11 8.1 5.77 52 Group II Team 1 Pranav 5.71 50 286 1.5 11 ??? ??? 0.0046 #VALUE! 47 16B 16 RAL306W-F4 4 B Uninfected Female 2.11 8.1 5.77 52 Group I Team 1 Hope 7.11 50 356 1.5 11 408 3.9% 0.5203 0.576	_	14	14 RAL306W-F	2 2		С	Uninfected	Female	2.12	9.1	5.77	52	Group I	Team 3	Gera	5.82	50	291	1.5	11	452 0.1%	17.8519	17.852			0.12	0.000002056		H07	CTACAAGG
46 16A 16 RAL306W-F4 4 A Uninfected Female 2.11 8.1 5.77 52 Group II Team 1 Pranav 5.71 50 286 1.5 11 ??? ??? 0.0046 #VALUE! 47 16B 16 RAL306W-F4 4 B Uninfected Female 2.11 8.1 5.77 52 Group I Team 1 Hope 7.11 50 356 1.5 11 408 3.9% 0.5203 0.576	_	15	L5 RAL306W-F	3 3		A	Uninfected	Female	2.15	9.1	5.77	52	Group I	Team 1	Ben	5.59	50	280	1.5	11	??? ???	0.0083	#VALUE!			10.00	0.000000083	96%	G06	ACTCCTAC
47 16B 16 RAL306W-F4 4 B Uninfected Female 2.11 8.1 5.77 52 Group 1 Team 1 Hope 7.11 50 356 1.5 11 408 3.9% 0.5203 0.576	_	15	15 RAL306W-F	3 3		В	Uninfected	Female	2.15	9.1	5.77	52	Group II	Team 1	Pranav	4.63	50	232	1.5	11	???	0.0052	#VALUE!			10.00	0.000000052	97%	F11	CCACATTG
		16	16 RAL306W-F-	4 4		Α	Uninfected	Female	2.11	8.1	5.77	52	Group II	Team 1	Pranav	5.71	50	286	1.5	11	???	0.0046	#VALUE!			10.00	0.000000046	98%	G03	CAAGTCGT
48 16C 16 PALSONALEA A C Uninferted Female 211 81 5.77 52 Ground Team 2 Paula 6.00 50 305 15 11 222 222 0.1211 MALUEL		16	16 RAL306W-F-	4 4		В	Uninfected	Female	2.11	8.1	5.77	52	Group I	Team 1	Hope	7.11	50	356	1.5	11	408 3.9%	0.5203	0.576			3.57	0.000002056		H08	CGATGTTC
100 100 INACOUNTY 4 C OMMICCE 101 INACOUNTY	_	16	16 RAL306W-F-	4 4		С	Uninfected	Female	2.11	8.1	5.77	52	Group I	Team 2	Paula	6.09	50	305	1.5	11	???	0.1211	#VALUE!			10.00	0.000001211	41%	F01	AGCTACCA
49 13A + 15C mixed RAL306W-F4 mixed	5	C m	mixed RAL306W-F	4 m	nixed	mixed	Uninfected	Female	2.11	8.1	5.77	52	Group I	Team 2	Sam (2 mixed libraries)	mixed	100	555	1.5	11	???	0.0000	#VALUE!			20.00	0.000000000	100%	H09 + H12 mixed	ACCGGTTA GCGCATAT

AVERAGE SIZE 421

TOTAL VOL TOTAL DNA (uL) (nmol) 288.49 0.000053803

FINAL POOL =

0.186 nM

FINAL POOL @ 20x

3.730 nM = ALL of pool + 520 uL beads --> Elute in 14.4 uL EB

ACTUAL GPCR RESULT =

3.782 nM

@ 421 bp average

EXTRAS:

1	37	13A	13	RAL306W-F1	1		Uninfected	Female	2.17	9.1	#REF!	52	Group I	Team 2	Sam	5.63	50	282	1.5	11
	45	15C	15	RAL306W-F3	3		Uninfected	Female	2.15	9.1			Group I	Team 2	Sam	5.47	50	274	1.5	11
		2B	2	RAL306W+M2	2		Infected	Male	1.95	9.4			Not prepped		NOT PREPPED	-	50		1.5	11
		9B	9	RAL306W-M1	1		Uninfected	Male	2.15	8.0			Not prepped		NOT PREPPED		50		1.5	11