Appendix A: Primers Sequences

Notes and Guidelines

- All primers are shown in the 5' to 3' direction. These primers are in the attached Excel spreadsheet for all primers including all barcoded Ig Primers.
- All barcode primers should be ordered as TruGrade Standard Desalted Ultramers from IDT. Barcode primers that contain the random nucleotides should be ordered with "Hand-mixed Random Nucleotides".

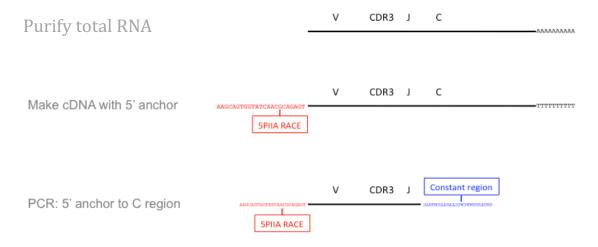
150-0149-073	Oligo Name	Oligo Sequence	<u>Use</u>	<u>Annotation</u>
PS_CREATE_PS_Beg CCCAGOGGGAGAGCCCTTGCTGCGA CCCAGOGGGAGAGCCCTTGGTGGA CCCAGOGGGAGAGCCCTTGGTGGA CCCAGOGGGAGAGCCCTTGGGGTGGCTGGCGA Lat round PCR Lat round	CDS Oligo dT	TTTTTTTTTTTTTTTTTTTTTTVN		
P3				
19th				
19th				
19th GAGGACAGAGGGGAAAAGGTCGGCCGGTGT	TaC	GCCAGGGGGAAGACCGATGGGCCCTTGGTGGA	1st round DCD	Human and Monhuman Drimato
1981 AGGAGAGAGGGGAAAGGGTTGGGCGGTGTT 19t round PCR	-			
TOTAL CONCENTRATIONS CONTINUES AND CONTINUES				
Tight GCCGGAMAGNAGAGAGAGGAGCAGCAGCAGCAGC 1st round PCR Ruman and Nonhuman Primate Ruman and	-			-
15 15 15 15 15 15 15 15	-			
High GAGCGAGGGGGAAAAGGTTGGGGCGGTGCTCG Rhigh GAGCTACCGGGAAAACCTGGGGCTGCTCG Rhigh GAGCTACCGGGAAAACCTGGGGTGGTCG Rhigh GAGCTACCGGGAAAACCTGGGGTGGTCG Rhigh GAGCTACCGGGAAAACCTGGGGTGTCTCG Rhigh CAGCTCACCGGGAAAACCTGGGGTGTCTCC Rhigh CAGCTCACCGGGAAAACCCGGCTGTCCGACT Rhigh CAGCTCACCGGGAAAACCCGAGT PS				
Rhigh GAGGTCAGCGGAGACCTGCGGCTGGTGG 1st round PCR Non-human Primate PS Seq 8C 1 SPII CAGGCGCGAGACCGAGGCGCTGTGTGG 2st SPII CAGGCGCGCAGCAGGCGCTGTGGGCGCGCGGGGGGGGGG	190	ddeci i di i ddei i daadadaada	ist found for	numun una Nomuman IIImacc
PS_Seq BC_1 SPIIA CACGAGGCTCTTCCGATCT NINN PS_Seq BC_2 SPIIA CACGAGGCTCTTCCGATCT NINN PS_Seq BC_3 SPIIA CACGAGGCTCTTCCGATCT NINN PS_Seq BC_1 SPIIA CACGAGGCCTTTCCGATCT NINN PS_Seq BC_1 SPIIA CACGAGGCATCTTCCATCT NINN PS_Seq BC_1 SPIIA CACGAGGCCTTTCCGATCT NINN PS_Seq BC_1 SPIIA CACGAGGCATCTCTCCATCT NINN PS_SEQ BC_1 SPIIA CACGAGGCATCTCTCCATCT NINN PS_SEQ BC_1 SPIIA CACGA	RhIgM	GAGACGAGGGGAAAAGGGTTGGGGCGGATGCA		Non-human Primate
P5_Seq BC_1 SPIIA CACGACGCTCTTCCGATCT NNNN AACCACTA AACCATGGTATCAACGCACGAT 2nd PCR - Forward Primer 2 Inline Barcode 1 P5_Seq BC_3 SPIIA CACGACGCTCTTCCGATCT NNNNN AACCACTA AACCACTGGTATCAACGCACGAT 2nd PCR - Forward Primer 2 Inline Barcode 2 P5_Seq BC_3 SPIIA CACGACGCCTCTTCCGATCT NNNN AACCACTA AACCACGACGAT 2nd PCR - Forward Primer 2 Inline Barcode 3 P5_Seq BC_3 SPIIA CACGACGCCTTCCGATCT NNNN ACCACGACGACT 2nd PCR - Forward Primer 2 Inline Barcode 3 P5_Seq BC_3 SPIIA CACGACGCCTTCCGATCT NNNN ACCACGACGACT 2nd PCR - FOrward Primer 2 Inline Barcode 3 P5_Seq BC_3 SPIIA CACGACGCCTTCCGATCT NNNN ACCACGACGACT 2nd PCR - FOrward Primer 2 Inline Barcode 6 P5_Seq BC_3 SPIIA CACGACGCCTTCCGATCT NNNN ACCACGACGACT 2nd PCR - FOrward Primer 2 Inline Barcode 6 P5_Seq BC_3 SPIIA CACGACGCCTTCCGATCT NNNNNN ACCACGACGACT 2nd PCR - FOrward Primer 2 Inline Barcode 7 P5_Seq BC_3 SPIIA CACGACGCCTTCCGATCT NNNNNN ACCACGACGACT 2nd PCR - FOrward Primer 2 Inline Barcode 7 P5_Seq BC_1 SPIIA CACGACGCCCTTCCGATCT NNNNNN ACCACGACGACT AACCACGACGACT 2nd PCR - FOrward Primer 2 Inline Barcode 9 P5_Seq BC_1 SPIIA CACGACGCCCTTCCGATCT NNNNNN ACCACGACGACT AACCACGACGACT 2nd PCR - FOrward Primer 2 Inline Barcode 9 P5_Seq BC_1 SPIIA CACGACGCCCTTCCGATCT NNNNNN ACCACGACGACT 2nd PCR - FOrward Primer 2 Inline Barcode 1 P5_Seq BC_1 SPIIA CACGACGCCCTTCCGATCT NNNNNN ACCACGACGACT 2nd PCR - FOrward Primer 2 Inline Barcode 1 P5_Seq BC_1 SPIIA CACGACGCCCTTCCGATCT NNNNNNN ACCACGACGACT 2nd PCR - FOrward Primer 2 Inline Barcode 1 P5_Seq BC_1 SPIIA CACGACGCCCTTCCGATCT NNNNNNN ACCACGACGACT 2nd PCR - FOrward Primer 2 Inline Barcode 1 P5_Seq BC_1 SPIIA CACGACGCCCTTCCGATCT NNNNNNN ACCACGACGACT 2nd PCR - FOrward Primer 2 Inline Barcode 1 P5_Seq BC_1 SPIIA CACGACGCCCTTCCCGATCT NNNNNNN ACCACGACGACT 2nd PCR - FOrward Primer 2 Inline Barcode 1 P5_Seq BC_1 SPIIA CACGACGCCCTTCCCGATCT NNNNNNN ACCACGACGACGACCCCACGACGACT 2nd PCR - FOrward Primer 2 Inline Barcode 1 P5_Seq BC_1 SPIIA CACGACGACCCTTCCCGATCT NNNNNNN ACCACGACGACCCCCACGACGACCCCCACGACGACCCCACGACCCCCACGACCCCCACGACCCCCC				
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PS_Seq BC_1 SPIIA CACGACCTOTTCCGARTE INNINN ACCCCA MACCATGOTACCACAGAT PS_Seq BC_4 SPIIA CACGACCCTTCCGARTE INNINNN ACCCCA MACCATGOTACCACAGAT PS_Seq BC_5 SPIIA CACGACCCTTCCGARTE INNINNN ACCCCACCACAGAT PS_Seq BC_6 SPIIA CACGACCCTTCCGARTE INNINNN ACCCCACACAGAT PS_Seq BC_6 SPIIA CACGACCCTTCCGARTE INNINNN ACCCCACACAGAT PS_Seq BC_6 SPIIA CACGACCCTTCCGARTE INNINNN ACCCCACACAGAT PS_Seq BC_6 SPIIA CACGACCCTTCCGARTE INNINN ACCCCACACAGAT PS_Seq BC_6 SPIIA CACGACCCTTCCGARTE INNINN ACCCCCACACAGAT PS_Seq BC_6 SPIIA CACGACCCTTCCGARTE INNINNN ACCCCCACACAGAT PS_Seq BC_6 SPIIA CACGACCCTTCCGARTE INNINNN ACCCCCACACAGAT PS_Seq BC_6 SPIIA CACGACCCTTCCGARTE INNINNN ACCCCACACAGAT PS_Seq BC_6 SPIIA CACGACCCTTCCGARTE INNINNN ACCCCACACAGAT PS_Seq BC_6 SPIIA CACGACCCTTCCGARTE INNINNN ACCCATCCACACACAGAT PS_Seq BC_6 SPIIA CACGACCCTTCCGARTE INNINNN ACCCATCCACACACACACACACACACACACACACACACA				
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PF. Seg BC. 5 PFITA CAGGAGCOTTTCGART NINNIN PS. Seg BC. 8 SPITA CAGGAGCOTTTCGART NINNIN ACAGGCCG AACCAGGGGGGGGGGGGGGGGGGGGGGGG				
PF. Seq BC_7 SPIIA CACGACGCTCTTCCATCT NNNNNN ACCAGAGA AGCAGTGCTATCAGCCCAGAGT TO PERSON BC SPIIA CACGACGCTCTTCCATCT NNNNNN ACCTGCT AGCAGTGCTATCAGCCCAGAGT TO POTWARD Filmer 2 Inline Barcode 7 PS. Seq BC_10 SPIIA CACGACGCTCTTCCATCT NNNNNN ACCTGCT AGCAGTGCTATCAGCCCAGAGT TO POTWARD FILMER 2 Inline Barcode 10 PS. Seq BC_11 SPIIA CACGACGCCTTCTCCATCT NNNNNN ACCTGCT AGCAGTGCTATCAGCCCAGAGT TO POTWARD FILMER 2 Inline Barcode 11 PS. Seq BC_13 SPIIA CACGACGCCTTCTCCATCT NNNNNN ACCTGCT AGCAGTGCTATCAGCCCAGAGT TO POTWARD FILMER 2 Inline Barcode 11 PS. Seq BC_13 SPIIA CACGACGCCTTCTCCATCT NNNNNN ACCTGCT AGCAGTGCTATCAGCCCAGAGT TO POTWARD FILMER 2 Inline Barcode 12 PS. Seq BC_15 SPIIA CACGACGCCTTCTCCATCT NNNNNN ACCAGTG AGCAGTGCTATCAGCCCAGAGT TO POTWARD FILMER 2 Inline Barcode 13 PS. Seq BC_15 SPIIA CACGACGCCTTCTCCATCT NNNNNN ACCAGTG AGCAGTGCTATCAGCCCAGAGT TO POTWARD FILMER 2 Inline Barcode 14 PS. Seq BC_15 SPIIA CACGACGCCTTCTCCATCT NNNNNN ACCAGTGCATCAGCCCAGAGT TO POTWARD FILMER 2 Inline Barcode 15 PS. Seq BC_15 SPIIA CACGACGCCCTTCCGATCT NNNNNN ACCAGTGCATCAGCCAGAGT TO POTWARD FILMER 2 INLINE BARCODE 17 PS. Seq BC_15 SPIIA CACGACGCCTTTCCGATCT NNNNNN ACCAGTG AGCAGTGCTATCAGCCCAGAGT TO POTWARD FILMER 2 INLINE BARCODE 17 PS. Seq BC_15 SPIIA CACGACGCCTTTCCGATCT NNNNNN ACCAGTGCATCAGCCAGAGT TO POTWARD FILMER 2 INLINE BARCODE 17 PS. Seq BC_15 SPIIA CACGACGCCTTTCCGATCT NNNNNN ACCAGTGCATCAGCAGAGT TO PCR - FOTWARD FILMER 2 INLINE BARCODE 17 PS. Seq BC_15 SPIIA CACGACGCCTTTCCGATCT NNNNNN ACCAGTGCAGAGT TO PCR - FOTWARD FILMER 2 INLINE BARCODE 17 PS. Seq BC_15 SPIIA CACGACGCCTTTCCGATCT NNNNNN ACCAGTGCAGAGT TO PCR - FOTWARD FILMER 2 INLINE BARCODE 17 PS. Seq BC_15 SPIIA CACGACGCCTTTCCGATCT NNNNNN ACCAGTGCAGAGT TO PCR - FOTWARD FILMER 2 INLINE BARCODE 17 PS. Seq BC_15 SPIIA CACGACGCCTTTCCGATCT NNNNNN ACCAGTGCAGAGT TO PCR - FOTWARD FILMER 2 INLINE BARCODE 17 PS. SEQ BC_15 SPIIA CACGACGCATACGAGAT TAGGGGCCTTTCGAGTCTAGCCCAGAGT TO PCR - FOTWARD FILMER 2 INLINE BARCODE 17 PS. SEQ BC_15 SPIIA CACGACGCATACGAGAT TAGGGGCCTTCGAGGCCTTTCGGGGCCTTCGGGGCCTTCGGGGCCT				
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PS_Seq BC_13 SPIIA CAGCACGTCTTCCGATCT INNNNN GTOTGATC AACCAGTGGTACACCCAGAGT PS_Seq BC_15 SPIIA CACCACCCCTCTCCGATCT INNNNNN GTOTGATC AACCAGTGGTACCACCCAGAGT PS_Seq BC_15 SPIIA CACCACCCCTCTCCGATCT INNNNNN GTOTGATC AACCAGTGGTACCACCCAGAGT PS_Seq BC_17 SPIIA CACCACCCCTCTCCGATCT INNNNN TCCCCCCCT AACCAGTGGTACCACCCAGAGT PS_Seq BC_18 SPIIA CACCACCCCTTCCCGATCT INNN TCCCCCCCT AACCAGTGGTACACCCAGAGT PS_Seq BC_18 SPIIA CACCACCCCTTCCCGATCT INNN TCCCCCCCT AACCAGTGGTACCACCCAGGGT PS_Seq BC_18 SPIIA CACCACCCCTTCCCCGATCT INNNN TCCCCCCCT AACCAGTGGTACCACCCAGGGT PS_Seq BC_18 SPIIA CACCACCCCTTCCCCGATCT INNNNN TCTCCCC AACCAGTGGTACCACCCAGGGT PS_Seq BC_18 SPIIA CACCACCCCTTCCCCGATCT INNNNN TCTTCCCC AACCAGTGGTACCACCCAGGGT PS_Seq BC_18 SPIIA CACCACCCCTTCCCCATCT INNNNNN TCTTCCCC AACCAGTGGTACCACCCAGGGT PS_Seq BC_18 SPIIA CACCACCCCCTTCCCCATCT INNNNNN TCTTCCCC AACCAGTGGTACCACCAGGGT PS_Seq BC_18 SPIIA CACCACCCCCTTCCCCATCT INNNNNN TCTTCCCC AACCAGTGGTACCACCAGGGT PS_Seq BC_18 SPIIA CACCACCAGAGTCGTACCAGGTAT TCTCCCCT INNNNNN TCTTCCC AACCAGTGGTACCACGAGT PS_Seq BC_18 SPIIA CACCACCAGAGTCGGTACCAGGTAT TCTCCCCT INNNNNNN TCTTCCCC AACCAGTGGTCCTTCACCCCAGGT PS_Seq BC_18 SPIIA CACCACCAGAGACCCCATCGGGGTATCAGGATT TCTCCCCT INNNNNNN TCTTCCCC AACCAGTGGTCCTTCACCCCAGGTCTCCACCCT INNNNNNN TCTTCCC AACCAGTGGGCCTTTCCCACCCT INNNNNNN TCTTCCC AACCAGTGGCCCTTGCGTGGTACCAGGTT PS_SEQ BC_18 SPIIA CACCACCAGGAGCCATCCGAGGT TACGAGTT TCTCCCCCCCGGGGGAACCCCATTGGGGCCTTGCGGTACCAGGTT TCTCCCCCCCCCC				
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P5_Seq_BC_18_5PILA CAGGACGTCTTCCGATCT NNNNNN TCTTCCG AGCAGTGGTATCAACGCAGAGT 2nd PCR - Forward Primer 2 Inline Barcode 18 P5_Seq_BC_19_5PILA CAGGACGTCTTCCGATCT NNNNNNN TGTTGCA AAGCAGTGGTATCAACGCAGAGT 2nd PCR - Forward Primer 2 Inline Barcode 19 P5_Seq_BC_20_5PILA CAGGACGTCTTCCGATCT NNNNNNN TGTTGCA AAGCAGTGGTATCAACGCAGAGT 2nd PCR - Forward Primer 2 Inline Barcode 19 P5_Seq_BC_20_5PILA CAGGACGTCTTCCGATCT NNNNNNN TGTTGCA AAGCAGTGGTATCAACGCAGAGT 2nd PCR - Forward Primer 2 Inline Barcode 19 P5_Seq_BC_20_5PILA CAGGACGACGCATACGAGAT TAGTGGTT GCCAGGGGAAGACCGATGGGCCCTTGGTGGJ 2nd PCR - Forward Primer 2 Inline Barcode 19 P5_Seq_BC_20_5PILA CAGGACGAACGCGATACGAGAT TAGTGGTT GCCAGGGGAAGACCGATGGGCCCTTGGTGGJ 2nd PCR - Reverse Primer Index Barcode 1 P5_17_1 IgG CAAGCCAGAAGACGGCATACGAGAT TAGGACTT GCCAGGGGAAGACCGATGGGCCCTTGGTGGJ 2nd PCR - Reverse Primer Index Barcode 3 P7_17_4 IgG CAAGCCAGAAGACGGCATACGAGAT GCCACTATT GCCAGGGGGAAGACCGATGGGCCCTTGGTGGJ 2nd PCR - Reverse Primer Index Barcode 4 P7_17_5 IgG CAAGCCAGAAGACGGCATACGAGAT GCCAGTGGGAAGACCGATGGGCCCTTGGTGGJ 2nd PCR - Reverse Primer Index Barcode 5 P7_17_5 IgG CAAGCAGAAGACGGCATACGAGAT GCTTTGCT GCCAGGGGGAAGACCGATGGGCCCTTGGTGGJ 2nd PCR - Reverse Primer Index Barcode 6 P7_17_1 IgG CAAGCAGAAGACGGCATACGAGAT CGTTTGCT GCCAGGGGGAAGACCGATGGGCCCTTGGTGGJ 2nd PCR - Reverse Primer Index Barcode 7 P7_17_8 IgG CAAGCAGAAGACGGCATACGAGAT CCTTTGCT GCCAGGGGGAAGCCCATGGGCCCTTGGTGGJ 2nd PCR - Reverse Primer Index Barcode 9 P7_17_10 Ig CAAGCAGAAGACGGCATACGAGAT CCTTTGCT GCCAGGGGAAGCCCATGGGCCCTTGGTGGJ 2nd PCR - Reverse Primer Index Barcode 9 P7_17_11 Ig CAAGCAGAAGACGGCATACGAGAT CCACTAG GCCAGGGGAAGACCCATGGGCCCTTGGTGGJ 2nd PCR - Reverse Primer Index Barcode 10 P7_17_11 Ig CAAGCAGAAGACGGCATACGAGAT CCACTAG GCCAGGGGAAGACCCATGGGCCCTTGGTGGJ 2nd PCR - Reverse Primer Index Barcode 11 P7_17_15 Ig CAAGCAGAAGACGGCATACGAGAT CCACTAG GCCAGGGGAAGACCGATGGGCCCTTGGTGGJ 2nd PCR - Reverse Primer Index Barcode 12 P7_17_15 Ig CAAGCAGAAGACGGCATACGAGAT GCCAGGGGGAAGACCGATGGGCCCTTGGTGGJ 2nd PCR - Reverse Primer Index Barcode 13 P7_17_				
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P7 i7_1 IgG CAAGCAGAAGACGGCATACGAGAT TAGTGGTT GCCAGGGGGAAGACCCATGGGCCCTTGGTGG/2nd PCR - Reverse Primer Index Barcode 1	P5_Seq BC_20 5PII	A CACGACGCTCTTCCGATCT NNNNNNNN CACAGATG AAGCAGTGGTATCAACGCAGAGT	2nd PCR - Forward Primer 2	2 Inline Barcode 20
P7 i7_1 IgG CAAGCAGAAGACGGCATACGAGAT TAGTGGTT GCCAGGGGGAAGACCCATGGGCCCTTGGTGG/2nd PCR - Reverse Primer Index Barcode 1	T- 0 (II 1-1 D	h)		
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P7 i7_6 IgG CAAGCAGAAGACGGCATACGAGAT GCCCTGGT GCCAGGGGAAGACCGATGGGCCCTTGGTGG12nd PCR - Reverse Primer 17.7 IgG CAAGCAGAAGACGATACGAGAT CCCAGGGGAAGACCGATGGGCCCTTGGTGG12nd PCR - Reverse Primer 17.8 IgG CAAGCAGAAGACGATACGAGAT CCCAGGGG CCCAGGGGAAGACCGATGGGCCCTTGGTGG12nd PCR - Reverse Primer 17.9 IgG CAAGCAGAAGACGGATACGAGAT CCCAGGGGAAGACCGATGGGCCCTTGGTGG12nd PCR - Reverse Primer 17.10 IgG CAAGCAGAAGACGGATACGAGAT CCAAGT CCCAGGGGAAGACCGATGGGCCCTTGGTGG12nd PCR - Reverse Primer 17.11 IgG CAAGCAGAAGACGGATACGAGAT CCCATGGG CCCTTGGTGG12nd PCR - Reverse Primer 17.12 IgG CAAGCAGAAGACGGATACGAGAT CCACTGA GCCAGGGGGAAGACCGATGGGCCCTTGGTGG12nd PCR - Reverse Primer 1 Index Barcode 10 Index Barcode 11 Index Barcode 11 Index Barcode 11 Index Barcode 11 Index Barcode 12 Index Barcode 12 Index Barcode 13 Index Barcode 14 Index Barcode 15 Index Barcode 16 Index Barcode 17 Index Barcode 17 Index Barcode 18 Index Barcode 19				
P7 i7_7 IgG CAAGCAGAAGACGGCATACGAGAT CGTTTGCT GCCAGGGGAAGACCGATGGGCCCTTGGTGG/2nd PCR - Reverse Primer Index Barcode 7 Index Barcode 8 CAAGCAGAAGACGAACACGAACACGAAGACCGCATACGAGAT CCCAGGGGAAGACCCGATGGGCCCTTGGTGG/2nd PCR - Reverse Primer Index Barcode 9 Index Barcode 10 Index Barcode 11 Index Barcode 11 Index Barcode 11 Index Barcode 11 Index Barcode 12 Index Barcode 12 Index Barcode 13 Index Barcode 14 Index Barcode 14 Index Barcode 14 Index Barcode 15 Index Barcode 16 Index Barcode 17 Index Barcode 17 Index Barcode 18 Index Barcode 18 Index Barcode 19				
P7 i7_8 IgG CAAGCAGAAGACGGCATACGAGAT CCAGGGC GCCAGGGGGAAGACCGATGGGCCCTTGGTGG/2nd PCR - Reverse Primer Index Barcode 8 P7 i7_9 IgG CAAGCAGAAGACGGCATACGAGAT AGCCAGCT GCCAGGGGGAAGACCGATGGGCCCTTGGTGG/2nd PCR - Reverse Primer Index Barcode 9 P7 i7_10 IgG CAAGCAGAGACGGCATACGAGAT TCAATGAT GCCAGGGGAAGACCGATGGGCCCTTGGTGG/2nd PCR - Reverse Primer Index Barcode 10 P7 i7_11 IgG CAAGCAGAAGACGGCATACGAGAT CGATCGAA GCCAGGGGAAGACCGATGGGCCCTTGGTGG/2nd PCR - Reverse Primer Index Barcode 11 P7 i7_12 IgG CAAGCAGAAGACGGCATACGAGAT CGATCGAA GCCAGGGGGAAGACCGATGGGCCCTTGGTGG/2nd PCR - Reverse Primer Index Barcode 12 P7 i7_13 IgG CAAGCAGAAGACGGCATACGAGAT GCCAGGGGGAAGACCGATGGGCCCTTGGTGG/2nd PCR - Reverse Primer Index Barcode 13 P7 i7_14 IgG CAAGCAGAAGACGGCATACGAGAT GATCACAC GCCAGGGGGAAGACCGATGGGCCCTTGGTGG/2nd PCR - Reverse Primer Index Barcode 14 P7 i7_15 IgG CAAGCAGAAGACGGCATACGAGAT GCCAGAC GCCAGGGGGAAGACCGATGGGCCCTTGGTGG/2nd PCR - Reverse Primer Index Barcode 15 P7 i7_16 IgG CAAGCAGAAGACGGCATACGAGAT AGCGGCC GCCAGGGGGAAGACCGATGGGCCCTTGGTGG/2nd PCR - Reverse Primer Index Barcode 15 P7 i7_18 IgG CAAGCAGAAGACGGCATACGAGAT AGCGGCC GCCAGGGGGAAGACCGATGGGCCCTTGGTGG/2nd PCR - Reverse Primer Index Barcode 16 P7 i7_18 IgG CAAGCAGAAGACGGCATACGAGAT AGCGCCC GCCAGGGGGAAGACCGATGGGCCCTTGGTGG/2nd PCR - Reverse Primer Index Barcode 17 P7 i7_18 IgG CAAGCAGAAGACGGCATACGAGAT AGCGCCCT GCCAGGGGGAAGACCGATGGGCCCTTGGTGG/2nd PCR - Reverse Primer Index Barcode 18 P7 i7_19 IgG CAAGCAGAAGACGGCATACGAGAT CGGAAGA GCCAGGGGGAAGACCGATGGGCCCTTGGTGG/2nd PCR - Reverse Primer Index Barcode 18 P7 i7_19 IgG CAAGCAGAAGACGGCATACGAGAT CGCAGGGGAAGACCGATGGGCCCTTGGTGG/2nd PCR - Reverse Primer Index Barcode 18 P7 i7_19 IgG CAAGCAGAAGACGGCATACGAGAT CGCAGGGGGAAGACCGATGGGCCCTTGGTGG/2nd PCR - Reverse Primer Index Barcode 18 P7 i7_19 IgG CAAGCAGAAGACGGATACGAGT CGCAGGGGGAAGACCGATGGGCCCTTGGTGG/2nd PCR - Reverse Primer Index Barcode 19 P7 i7_20 IgG CAAGCAGAAGACGGCATACGAGT CATCTGTG GCCAGGGGGAAGACCGATGGGCCCTTGGTGG/2nd PCR - Reverse Primer Index Barcode 20 Index Barcode 19 Index Barcode 19 Index B				
P7 i7_10 IgG CAAGCAGAAGACGGCATACGAGAT TCAATGAT GCCAGGGGAAGACCGATGGGCCCTTGGTGG/2nd PCR - Reverse Primer 17_11 IgG CAAGCAGAAGACGATACGAGAT CGATCGAA GCCAGGGGAAGACCGATGGGCCCTTGGTGG/2nd PCR - Reverse Primer 17_12 IgG CAAGCAGAAGACGAACACGATACGAGAT CGCATGAG GCCAGGGGGAAGACCGATGGGCCCTTGGTGG/2nd PCR - Reverse Primer 17_13 IgG CAAGCAGAAGACGGATACGAGAT GGATCACAC GCCAGGGGGAAGACCGATGGGCCCTTGGTGG/2nd PCR - Reverse Primer 17_15 IgG CAAGCAGAAGACGGATACGAGAT GATCACAC GCCAGGGGGAAGACCGATGGGCCCTTGGTGG/2nd PCR - Reverse Primer 17_15 IgG CAAGCAGAAGACGGATACGAGAT GCTAGACC GCCAGGGGGAAGACCGATGGGCCCTTGGTGG/2nd PCR - Reverse Primer 17_17_16 IgG CAAGCAGAAGACGGATACGAGAT AGGGTGC GCCAGGGGGAAGACCGATGGGCCCTTGGTGG/2nd PCR - Reverse Primer 17_17_18 IgG CAAGCAGAAGACGGATACGAGAT AGGGTTC GCCAGGGGGAAGACCGATGGGCCCTTGGTGG/2nd PCR - Reverse Primer 17_18 IgG CAAGCAGAAGACGGATACGAGAT CGCAGAT CGCAGT CGCAGGGGGAAGACCCGATGGGCCCTTGGTGG/2nd PCR - Reverse Primer 17_18 IgG CAAGCAGAAGACGCATACGAGAT CGCAGAGACCCGATGGGCCCTTGGTGG/2nd PCR - Reverse Primer 11_10dex Barcode 18_18 Index Barcode 19_18 Index Barcode 19_1				
P7 i7_11 IGG CAAGCAGAAGACGGCATACGAGAT CGATCGAA GCCAGGGGGAAGACCGATGGGCCCTTGGTGGI2nd PCR - Reverse Primer Index Barcode 11 Index Barcode 12 P7 i7_13 IGG CAAGCAGAAGACGGCATACGAGAT GCCATGGG GCCCTTGGTGGI2nd PCR - Reverse Primer Index Barcode 12 Index Barcode 13 P7 i7_14 IGG CAAGCAGAAGACGGATACGAGAT GAACACGAAGACCGATGGGCCCTTGGTGGI2nd PCR - Reverse Primer Index Barcode 14 Index Barcode 15 Index Barcode 15 Index Barcode 16 Index Barcode 17 Index Barcode 18 Index Barcode 18 Index Barcode 19 Index Barcode 1				
P7 i7_12 IgG CAAGCAGAAGACGGCATACGAGAT CCACTTAG GCCAGGGGAAGACCGATGGGCCCTTGGTGG12nd PCR - Reverse Primer 17_13 IgG CAAGCAGAAGACGGCATACGAGAT GGAATGGA GCCAGGGGAAGACCGATGGGCCCTTGGTGG12nd PCR - Reverse Primer 17_14 IgG CAAGCAGAAGACGAACACGAAGACGCCATACGAGAT GACTACACA GCCAGGGGAAGACCGATGGGCCCTTGGTGG12nd PCR - Reverse Primer 17_15 IgG CAAGCAGAAGACGGATACGAGAT GCCAGGGGAAGACCGATGGGCCCTTGGTGG12nd PCR - Reverse Primer 17_16 IgG CAAGCAGAAGACGGATACGAGAT AGCGGCCA GCCAGGGGGAAGACCGATGGGCCCTTGGTGG12nd PCR - Reverse Primer 17_17_17 IgG CAAGCAGAAGACGGCATACGAGAT AGCGGCCA GCCAGGGGGAAGACCGATGGGCCCTTGGTGG12nd PCR - Reverse Primer 17_18 IgG CAAGCAGAAGACGGGATACGAGAT AGCGTCT GCCAGGGGGAAGACCGATGGGCCCTTGGTGG12nd PCR - Reverse Primer 1 Index Barcode 16 PC 17_18 IgG CAAGCAGAAGACGGCATACGAGAT CGGAACA GCCAGGGGGAAGACCGATGGGCCCTTGGTGG12nd PCR - Reverse Primer 1 Index Barcode 17 Index Barcode 18 PC 17_19 IgG CAAGCAGAAGACGGCATACGAGAT GCCAGAGGGGAAGACCGATGGGCCCTTGGTGG12nd PCR - Reverse Primer 1 Index Barcode 18 Index Barcode 19 Index Bar				
P7 i7_13 IGG CAAGCAGAAGACGGCATACGAGAT GGAATGGA GCCAGGGGGAAGACCGATGGGCCCTTGGTGG/2nd PCR - Reverse Primer 17_14 IGG CAAGCAGAAGACGACTACGAGAT GATCACAC GCCAGGGGGAAGACCGATGGGCCCTTGGTGG/2nd PCR - Reverse Primer 17_15 IGG CAAGCAGAAGACGAACACGGATACGAGAT GCTAGACC GCCAGGGGGAAGACCGATGGGCCCTTGGTGG/2nd PCR - Reverse Primer 17_16 IGG CAAGCAGAAGACGGATACGAGAT AGCGTGT GCCAGGGGGAAGACCGATGGGCCCTTGGTGG/2nd PCR - Reverse Primer 17_17 IG CAACCAAGAACACGGATACGAGAT AGCGTCT GCCAGGGGGAAGACCGATGGGCCCTTGGTGG/2nd PCR - Reverse Primer 17_18 IGG CAAGCAGAAGACGGATACGAGAT AGCGTCT GCCAGGGGGAAGACCGATGGGCCCTTGGTGG/2nd PCR - Reverse Primer 17_18 IGG CAAGCAGAAGACGATACGAGAT GCGCAAGA GCCCAGGGGGAAGACCGATGGGCCCTTGGTGG/2nd PCR - Reverse Primer 17_19 IGG CAAGCAGAGACGGCATACGAGAT TGCAACAA GCCAGGGGAAGACCGATGGGCCCTTGGTGG/2nd PCR - Reverse Primer 17_20 IGG CAAGCAGAGACGGCATACGAGAT CATCTGT GCCAGGGGAAGACCGATGGGCCCTTGGTGG/2nd PCR - Reverse Primer 17_20 IGG CAAGCAGAGACGGCATACGAGAT CATCTGT GCCAGGGGGAAGACCGATGGGCCCTTGGTGG/2nd PCR - Reverse Primer 17_20 IGG CAAGCAGAAGACGGATACGAGAT CATCTGT GCCAGGGGGAAGACCGATGGGCCCTTGGTGG/2nd PCR - Reverse Primer 17_20 IGG CAAGCAGAAGACGGATACGAGAT CATCTGT GCCAGGGGAAGACCGATGGGCCCTTGGTGG/2nd PCR - Reverse Primer 17_20 IGC CAAGCAGAAGACGGATACGAGAT CATCTGT GCCAGGGGGAAGACCGATGGGCCCTTGGTGG/2nd PCR - Reverse Primer 17_20 IGC CAAGCAGAAGACGGATACGAGAT CATCTGT GCCAGGGGGAAGACCGATGGGCCCTTGGTGG/2nd PCR - Reverse Primer 17_20 IGC CAAGCAGAAGACGGCATACGAGT CATCTGT GCCAGGGGGAAGACCGATGGGCCCTTGGTGG/2nd PCR - Reverse Primer 17_20 IGC CAAGCAGAAGACGGATACGAGT CATCTGT GCCAGGGGGAAGACCGATGGGCCCTTGGTGG/2nd PCR - Reverse Primer 17_20 IGC CAAGCAGAAGACGGATACGAGT CATCTGT GCCAGGGGGAAGACCGATGGGCCCTTGGTGG/2nd PCR - Reverse Primer 17_20 IGC CAAGCAGAAGACGGCATACGAGT CATCTGT GCCAGGGGAAGACCGATGGGCCCTTGGTGG/2nd PCR - Reverse Primer 11_20 IGC BACCAGAGACGCATACGAGT CATCTGT GCCAGGGGAAGACCGATGGGCCCTTGGTGG/2nd PCR - Reverse Primer 11_20 IGC BACCAGAGACGCATACGAGT CATCTGT GCCAGGGGAAGACCGATGGGCCCTTGGTGG/2nd PCR - Reverse Primer 11_20 IGC BACCAGAGACGCATACGAGT CATCTGT GCCAGGGGAAGACCGATGGGCCCTTG				
P7 i7_14 IGG CAAGCAGAAGACGGCATACGAGAT GATCACAC GCCAGGGGAAGACCGATGGGCCCTTGGTGGI2nd PCR - Reverse Primer Index Barcode 14 Index Barcode 15 Index Barcode 15 Index Barcode 15 Index Barcode 16 Index Barcode 16 Index Barcode 16 Index Barcode 17 Index Barcode 17 Index Barcode 17 Index Barcode 17 Index Barcode 18 Index Barcode 18 Index Barcode 18 Index Barcode 19 Index Barcode 17 Index Barcode 18 Index Barcode 18 Index Barcode 19 Index Barcode 20 Index				
P7 i7_16 IgG CAAGCAGAAGACGGCATACGAGAT AGCGGCA GCCAGGGGGAAGACCGATGGGCCCTTGGTGG12nd PCR - Reverse Primer 17_17 IgG CAAGCAGAAGACGGCATACGAGAT AGGCTGTC GCCAGGGGAAGACCGATGGGCCCTTGGTGG12nd PCR - Reverse Primer P i7_18 IgG CAAGCAGAAGACGGATACGAGAT GGGCACAG GCCAGAGGAAGACCGATGGGCCCTTGGTGG12nd PCR - Reverse Primer Index Barcode 17 Index Barcode 18 CAAGCAGAAGACGGATACGAGAT TGCAACAA GCCAGGGGGAAGACCGATGGGCCCTTGGTGG12nd PCR - Reverse Primer Index Barcode 19 Index Barcode 19 Index Barcode 20 Ind				
P7 i7_17 IGG CAAGCAGAAGACGGCATACGAGAT AGGCTGTC GCCAGGGGGAAGACCGATGGGCCCTTGGTGGI2nd PCR - Reverse Primer Index Barcode 17 P7 i7_18 IgG CAAGCAGAAGACGGCATACGAGAT CGGGAAGA GCCAGGGGGAAGACCCGATGGGCCCTTGGTGGI2nd PCR - Reverse Primer Index Barcode 18 P7 i7_19 IgG CAAGCAGAAGACGGCATACGAGAT TGCAACAA GCCAGGGGGAAGACCCGATGGGCCCTTGGTGGI2nd PCR - Reverse Primer Index Barcode 19 P7 i7_20 IgG CAAGCAGAAGACGGCATACGAGAT CATCTGTG GCCAGGGGGAAGACCGATGGGCCCTTGGTGGI2nd PCR - Reverse Primer Index Barcode 20 IgG Seq GCCAGGGGAAGACCGATGGGCCCTTGGTGGA Sequencing Primer Human and Rhesus IgG				
P7 i7_18 IgG CAAGCAGAAGACGGCATACGAGAT CGGGAAGA GCCAGGGGGAAGACCCATGGGCCCTTGGTGGI2nd PCR - Reverse Primer Index Barcode 18 P7 i7_19 IgG CAAGCAGAAGACGGCATACGAGAT TGCAACAA GCCAGGGGGAAGACCCGATGGGCCCTTGGTGGI2nd PCR - Reverse Primer Index Barcode 19 P7 i7_20 IgG CAAGCAGAAGACGGCATACGAGAT CATCTGTG GCCAGGGGGAAGACCGATGGGCCCTTGGTGGI2nd PCR - Reverse Primer Index Barcode 20 IgG Seq GCCAGGGGAAGACCGATGGGCCCTTGGTGGA Sequencing Primer Human and Rhesus IgG				
P7 i7_19 IG CAAGCAGAAGACGGCATACGAGAT TGCAACAA GCCAGGGGGAAGACCGATGGGCCCTTGGTGGI2nd PCR - Reverse Primer Index Barcode 19 17_20 IgG CAAGCAGAAGACGGCATACGAGAT CATCTGTG GCCAGGGGGAAGACCGATGGGCCCTTGGTGGI2nd PCR - Reverse Primer Index Barcode 20 IgG Seq GCCAGGGGAAGACCGATGGGCCCTTGGTGGA Sequencing Primer Human and Rhesus IgG				
P7 i7_20 IgG CAAGCAGAAGACGGCATACGAGAT CATCTGTG GCCAGGGGGAAGACCGATGGGCCCTTGGTGG/2nd PCR - Reverse Primer Index Barcode 20 IgG Seq GCCAGGGGGAAGACCGATGGGCCCTTGGTGGA Sequencing Primer Human and Rhesus IgG				
Times 196 Techesage techtecologe Times 191 fulliali and Riesus 196				
	Index 196	TOURGORNOUGHCHAIGHTETTCCCCTHAGC	THUCK LITHET TOT DRHUGH GIR	z Kilosus 190

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IgA (Human Only)
P7 i7_1 IgA
                   CAAGCAGAAGACGGCATACGAGAT TAGTGGTT GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCC2nd PCR - Reverse Primer
P7 i7_2 IgA
                   CAAGCAGAAGACGGCATACGAGAT TTAGAGTT GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 2
P7 i7_3 IgA
                   CAAGCAGAAGACGGCATACGAGAT AGGGCCTT GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 3
P7 i7_4 IgA
P7 i7 5 IgA
                   CAAGCAGAAGACGGCATACGAGAT GACATATT GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 4
                   CAAGCAGAAGACGCATACGAGAT TGACGATT GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 5
P7 i7_6 IgA
                   CAAGCAGAAGACGGCATACGAGAT GGCCGTGT GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 6
P7 i7_7 IgA
                   CAAGCAGAAGACGGCATACGAGAT CGTTTGCT GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 7
P7 i7_8 IgA
                   CAAGCAGAAGACGGCATACGAGAT CCAGCGCT GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 8
P7 i7_9 IgA
                   CAAGCAGAAGACGGCATACGAGAT AGCGAGCT GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 9
                                                                                                                  Index Barcode 10
P7 i7_10 IgA
                   CAAGCAGAAGACGGCATACGAGAT TCAATGAT GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCC2nd PCR - Reverse Primer
P7 i7_11 IgA
                   CAAGCAGAAGACGGCATACGAGAT CGATCGAA GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 11
P7 i7_12 IgA
                   CAAGCAGAAGACGGCATACGAGAT CCACTTAG GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 12
                   CAAGCAGAAGACGGCATACGAGAT GGAATGGA GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCC2nd PCR - Reverse Primer
P7 i7_13 IgA
                                                                                                                  Index Barcode 13
P7 i7 14 IgA
                   CAAGCAGAAGACGGCATACGAGAT GATCACAC GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 14
                   CAAGCAGAAGACGCATACGAGAT GCTAGACC GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCC2nd PCR - Reverse Primer
P7 i7 15 IgA
                                                                                                                  Index Barcode 15
P7 i7_16 IgA
                   CAAGCAGAAGACGGCATACGAGAT AGCGGCGA GAGGCTCAGCGGGGAAGACCTTGGGGCTGGTCC2nd PCR - Reverse Primer
P7 i7_17 IgA
                   CAAGCAGAAGACGCATACGAGAT AGGCTGTC GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 17
P7 i7_18 IgA
                   CAAGCAGAAGACGGCATACGAGAT CGGGAAGA GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 18
P7 i7_19 IgA
                   CAAGCAGAAGACGGCATACGAGAT TGCAACAA GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 19
P7 i7 20 IgA
                   CAAGCAGAAGACGCCATACGAGAT CATCTGTG GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 20
                   GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCGG
IgA Seq
                                                                                      Sequencing Primer Human IgA
Index IgA
                   CCGACCAGCCCCAAGGTCTTCCCGCTGAGCCTC
                                                                                      Index Primer for human TgA
IgM (Human Only)
P7 i7_1 IgM
                   CAAGCAGAAGACGGCATACGAGAT TAGTGGTT AGGAGACGAGGGGGAAAAGGGGTTGGGGCGGA12nd PCR - Reverse Primer
                                                                                                                  Index Barcode 1
P7 i7_2 IgM
                   CAAGCAGAAGACGGCATACGAGAT TTAGAGTT AGGAGACGAGGGGGAAAAGGGTTGGGGCGGA12nd PCR - Reverse Primer
P7 i7_3 IgM
                   CAAGCAGAAGACGGCATACGAGAT AGGGCCTT AGGAGACGAGGGGGAAAAGGGTTGGGGCGGA12nd PCR - Reverse Primer
P7 i7_4 IgM
                   CAAGCAGAAGACGGCATACGAGAT GACATATT AGGAGACGAGGGGGAAAAAGGGTTGGGGCGGA12nd PCR - Reverse Primer
                                                                                                                  Index Barcode 4
P7 i7_5 IgM
                   CAAGCAGAAGACGGCATACGAGAT TGACGATT AGGAGACGAGGGGGAAAAGGGTTGGGGCCGGA12nd PCR - Reverse Primer
                                                                                                                  Index Barcode 5
P7 i7_6 IgM
                   CAAGCAGAAGACGGCATACGAGAT GGCCGTGT AGGAGACGAGGGGGAAAAGGGTTGGGGCGGA12nd PCR - Reverse Primer
                                                                                                                  Index Barcode 6
P7 i7 7 IgM
                   CAAGCAGAAGACGGCATACGAGAT CGTTTGCT AGGAGACGAGGGGGAAAAGGGTTGGGGCGGA12nd PCR - Reverse Primer
                                                                                                                  Index Barcode 7
P7 i7_8 IgM
P7 i7_9 IgM
                   CAAGCAGAAGACGGCATACGAGAT CCAGCGCT AGGAGACGAGGGGGAAAAGGGTTGGGGCGGA12nd PCR - Reverse Primer
                                                                                                                  Index Barcode 8
                   CAAGCAGAAGACGGCATACGAGAT AGCGAGCT AGGAGACGAGGGGGAAAAGGGTTGGGGCGGA12nd PCR - Reverse Primer
                                                                                                                  Index Barcode 9
P7 i7_10 IgM
                   CAAGCAGAAGACGGCATACGAGAT TCAATGAT AGGAGACGAGGGGGAAAAAGGGTTGGGGCGGA12nd PCR - Reverse Primer
                                                                                                                  Index Barcode 10
P7 i7_11 IgM
                   CAAGCAGAAGACGGCATACGAGAT CGATCGAA AGGAGACGAGGGGGAAAAGGGTTGGGGCGGA12nd PCR - Reverse Primer
                   CAAGCAGAAGACGCATACGAGAT CCACTTAG AGGAGACGAGGGGGAAAAGGGTTGGGGCGGA12nd PCR - Reverse Primer
P7 i7_12 IgM
                                                                                                                  Index Barcode 12
P7 i7_13 IgM
                   CAAGCAGAAGACGGCATACGAGAT GGAATGGA AGGAGACGAGGGGGAAAAGGGTTGGGGCGGA12nd PCR - Reverse Primer
                                                                                                                  Index Barcode 13
P7 i7_14 IgM
                   CAAGCAGAAGACGGCATACGAGAT GATCACAC AGGAGACGAGGGGGAAAAAGGGTTGGGGCGGA12nd PCR - Reverse Primer
                                                                                                                  Index Barcode 14
P7 i7_15 IgM
                   CAAGCAGAAGACGGCATACGAGAT GCTAGACC AGGAGACGAGGGGGAAAAGGGTTGGGGCGGA12nd PCR - Reverse Primer
                                                                                                                  Index Barcode 15
                   CAAGCAGAAGACGGCATACGAGAT AGCGGCGA AGGAGACGAGGGGGAAAAGGGTTGGGGCGGA12nd PCR - Reverse Primer
P7 i7 16 IqM
                                                                                                                  Index Barcode 16
P7 i7_17 IgM
                   CAAGCAGAAGACGGCATACGAGAT AGGCTGTC AGGAGACGAGGGGGGAAAAGGGTTGGGGCGGA12nd PCR - Reverse Primer
                                                                                                                  Index Barcode 17
                                                                                                                  Index Barcode 18
                   CAAGCAGAAGACGCATACGAGAT CGGGAAGA AGGAGACGAGGGGGGAAAAGGGTTGGGGCGGA12nd PCR - Reverse Primer
P7 i7 18 IgM
P7 i7_19 IgM
                   CAAGCAGAAGACGGCATACGAGAT TGCAACAA AGGAGACGAGGGGGAAAAGGGTTGGGGCGGA12nd PCR - Reverse Primer
                                                                                                                  Index Barcode 19
P7 i7_20 IgM
                   CAAGCAGAAGACGCCATACGAGAT CATCTGTG AGGAGACGAGGGGAAAAAGGGTTGGGGCGGA12nd PCR - Reverse Primer
IgM Seq
                                                                                      Sequencing Primer Human IgM
Index IgM
                   CATCCGCCCCAACCCTTTTCCCCCCTCGTCTCCT
                                                                                      Index Primer for human IgM
IgE (Human Only)
P7 i7_1 IgE
P7 i7_2 IgE
                   CAAGCAGAAGACGGCATACGAGAT TAGTGGTT GCGGGTCAAGGGGAAGACGGATGGGCTCTGTC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 1
                   CAAGCAGAAGACGGCATACGAGAT TTAGAGTT GCGGGTCAAGGGGAAGACGGATGGGCTCTGTC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 2
P7 i7_3 IgE
                   CAAGCAGAAGACGGCATACGAGAT AGGGCCTT GCGGGTCAAGGGGAAGACGGATGGGCTCTGTC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 3
P7 i7 4 IgE
                   CAAGCAGAAGACGGCATACGAGAT GACATATT GCGGGTCAAGGGGAAGACGGATGGGCTCTGTC2nd PCR - Reverse Primer
P7 i7_5 IgE
                   CAAGCAGAAGACGGCATACGAGAT TGACGATT GCGGGTCAAGGGGAAGACGGATGGGCTCTGTC2nd PCR - Reverse Primer
P7 i7_6 IgE
                   CAAGCAGAAGACGCATACGAGAT GGCCGTGT GCGGGTCAAGGGGAAGACGGATGGGCTCTGTC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 6
                   CAAGCAGAAGACGGCATACGAGAT CGTTTGCT GCGGGTCAAGGGGGAAGACGGATGGGCTCTGTC2nd PCR - Reverse Primer
P7 i7_7 IgE
                                                                                                                  Index Barcode 7
P7 i7_8 IgE
                   CAAGCAGAAGACGGCATACGAGAT CCAGCGCT GCGGGTCAAGGGGAAGACGGATGGGCTCTGTC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 8
P7 i7 9 IgE
                   CAAGCAGAAGACGCATACGAGAT AGCGAGCT GCGGGTCAAGGGGAAGACGGATGGGCTCTGTC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 9
P7 i7_10 IgE
                   CAAGCAGAAGACGGCATACGAGAT TCAATGAT GCGGGTCAAGGGGAAGACGGATGGGCTCTGTC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 10
                   CAAGCAGAAGACGGCATACGAGAT CGATCGAA GCGGGTCAAGGGGAAGACGGATGGGCTCTGTC2nd PCR - Reverse Primer
P7 i7_11 IgE
                                                                                                                  Index Barcode 11
P7 i7_12 IgE
P7 i7_13 IgE
                   CAAGCAGAAGACGGCATACGAGAT CCACTTAG GCGGGTCAAGGGGAAGACGGATGGGCTCTGTC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 12
                   CAAGCAGAAGACGGCATACGAGAT GGAATGGA GCGGGTCAAGGGGAAGACGGATGGGCTCTGTC2nd PCR - Reverse Primer
P7 i7_14 IgE
                   CAAGCAGAAGACGCATACGAGAT GATCACAC GCGGGTCAAGGGGAAGACGGATGGGCTCTGTC2nd PCR - Reverse Primer
P7 i7_15 IgE
                   CAAGCAGAAGACGCATACGAGAT GCTAGACC GCGGGTCAAGGGGAAGACGGATGGGCTCTGTC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 15
P7 i7_16 IgE
                   CAAGCAGAAGACGGCATACGAGAT AGCGGCGA GCGGGTCAAGGGGAAGACGGATGGGCTCTGTC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 16
P7 i7_17 IgE
                   CAAGCAGAAGACGGCATACGAGAT AGGCTGTC GCGGGTCAAGGGGAAGACGGATGGGCTCTGTC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 17
                   CAAGCAGAAGACGGCATACGAGAT CGGGAAGA GCGGGTCAAGGGGAAGACGGATGGGCTCTGTC2nd PCR - Reverse Primer
P7 i7_18 IgE
                                                                                                                  Index Barcode 18
                   CAAGCAGAAGACGGCATACGAGAT TGCAACAA GCGGGTCAAGGGGAAGACGGATGGGCTCTGT(2nd PCR - Reverse Primer
P7 i7_19 IgE
                                                                                                                  Index Barcode 19
                   CAAGCAGAAGACGGCATACGAGAT CATCTGTG GCGGGTCAAGGGGAAGACGGATGGGCTCTGTC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 20
P7 i7_20 IgE
IgE Seq
                   GCGGGTCAAGGGGAAGACGGATGGGCTCTGTGT
                                                                                      Sequencing Primer Human IgE
Index IgE
                   ACACAGAGCCCATCCGTCTTCCCCTTGACCCGC
                                                                                      Index Primer for human IgE
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P7 i7_1 IgD
                   CAAGCAGAAGACGCATACGAGAT TAGTGGTT CTGATATGATGGGGGAACACATCCGGAGCCTTC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 1
P7 i7 2 IqD
                   CAAGCAGAAGACGGCATACGAGAT TTAGAGTT CTGATATGATGGGGAACACATCCGGAGCCTTC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 2
                   CAAGCAGAAGACGCCATACGAGAT AGGGCCTT CTGATATGATGGGGAACACATCCGGAGCCTTC2nd PCR - Reverse Primer
P7 i7 3 IgD
                                                                                                                  Index Barcode 3
P7 i7_4 IgD
                   CAAGCAGAAGACGGCATACGAGAT GACATATT CTGATATGATGGGGAACACATCCGGAGCCTT(2nd PCR - Reverse Primer
P7 i7_5 IgD
                   CAAGCAGAAGACGCCATACGAGAT TGACGATT CTGATATGATGGGGAACACATCCGGAGCCTTC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 5
P7 i7_6 IgD
                   CAAGCAGAAGACGGCATACGAGAT GGCCGTGT CTGATATGATGGGGAACACATCCGGAGCCTTC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 6
P7 i7_7 IgD
P7 i7_8 IgD
                   CAAGCAGAAGACGGCATACGAGAT CGTTTGCT CTGATATGATGGGGGAACACATCCGGAGCCTTC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 7
                   CAAGCAGAAGACGGCATACGAGAT CCAGCGCT CTGATATGATGGGGAACACATCCGGAGCCTTC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 8
P7 i7_9 IgD
                   CAAGCAGAAGACGCATACGAGAT AGCGAGCT CTGATATGATGGGGAACACTCCGGAGCCTTC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 9
P7 i7 10 IqE
                   CAAGCAGAAGACGGCATACGAGAT TCAATGAT CTGATATGATGGGGAACACATCCGGAGCCTTC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 10
P7 i7_11 IgD
                   CAAGCAGAAGACGGCATACGAGAT CGATCGAA CTGATATGATGGGGAACACATCCGGAGCCTT@2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 11
P7 i7_12 IgD
                   CAAGCAGAAGACGGCATACGAGAT CCACTTAG CTGATATGATGGGGAACACATCCGGAGCCTTC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 12
                   CAAGCAGAAGACGGCATACGAGAT GGAATGGA CTGATATGATGGGGGAACACATCCGGAGCCTTC2nd PCR - Reverse Primer
P7 i7 13 IgD
                                                                                                                  Index Barcode 13
                   CAAGCAGAAGACGCCATACGAGAT GATCACAC CTGATATGATGGGGAACACATCCGGAGCCTTC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 14
P7 i7 14 IgD
P7 i7 15 IgD
                    CAAGCAGAAGACGGCATACGAGAT GCTAGACC CTGATATGATGGGGAACACATCCGGAGCCTT(2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 15
                   CAAGCAGAAGACGGCATACGAGAT AGCGGCGA CTGATATGATGGGGAACACATCCGGAGCCTTC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 16
P7 i7 16 IgD
P7 i7_17 IgD
                   CAAGCAGAAGACGGCATACGAGAT AGGCTGTC CTGATATGATGGGGAACACATCCGGAGCCTTC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 17
                   CAAGCAGAAGACGCCATACGAGAT CGGGAAGA CTGATATGATGGGGGAACACATCCGGAGCCTTC 2nd PCR - Reverse Primer
P7 i7_18 IgD
                                                                                                                  Index Barcode 18
                   CAAGCAGAAGACGGCATACGAGAT TGCAACAA CTGATATGATGGGGAACACATCCGGAGCCTTC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 19
P7 i7 19 IqD
                    CAAGCAGAAGACGCATACGAGAT CATCTGTG CTGATATGATGGGGAACACATCCGGAGCCTTC2nd PCR - Reverse Primer
P7 i7_20 IgD
                                                                                                                  Index Barcode 20
                                                                                      Sequencing Primer Human and Rhesus IgD
IgD Seq
Index IqD
                   CCAAGGCTCCGGATGTGTTCCCCCATCATATCAG
                                                                                      Index Primer for Human and Rhesus IgD
IgK (Human and Rhesus)
P7 i7 1 IgK
                   CAAGCAGAAGACGGCATACGAGAT TAGTGGTT GCGGGAAGATGAAGACAGATGGTGCAGCCAC#2nd PCR - Reverse Primer
P7 i7_2 IgK
                   CAAGCAGAAGACGGCATACGAGAT TTAGAGTT GCGGGAAGATGAAGACAGATGGTGCAGCCAC&2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 2
P7 i7_3 IgK
                   CAAGCAGAAGACGGCATACGAGAT AGGGCCTT GCGGGAAGATGAAGACAGATGGTGCAGCCAC&2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 3
P7 i7 4 IgK
                   CAAGCAGAAGACGGCATACGAGAT GACATATT GCGGGAAGATGAAGACAGATGGTGCAGCCAC&2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 4
P7 i7 5 IaK
                   CAAGCAGAAGACGGCATACGAGAT TGACGATT GCGGGAAGATGAAGACAGATGGTGCAGCCAC&2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 5
P7 i7_6 IgK
                   CAAGCAGAAGACGGCATACGAGAT GGCCGTGT GCGGGAAGATGAAGACAGATGGTGCAGCCAC#2nd PCR - Reverse Primer
                                                                                                                  Index Barcode
P7 i7_7 IgK
                    CAAGCAGAAGACGCATACGAGAT CGTTTGCT GCGGGAAGATGAAGACAGATGGTGCAGCCAC#2nd PCR - Reverse Primer
                                                                                                                  Index Barcode
P7 i7_8 IgK
                   CAAGCAGAAGACGGCATACGAGAT CCAGCGCT GCGGGAAGATGAAGACAGATGGTGCAGCCAC#2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 8
P7 i7_9 IgK
                   CAAGCAGAAGACGGCATACGAGAT AGCGAGCT GCGGGAAGATGAAGACAGATGGTGCAGCCAC&2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 9
                   CAAGCAGAAGACGGCATACGAGAT TCAATGAT GCGGGAAGATGAAGACAGATGGTGCAGCCAC&2nd PCR - Reverse Primer
P7 i7 10 TaK
                                                                                                                  Index Barcode 10
                   CAAGCAGAAGACGGCATACGAGAT CGATCGAA GCGGGAAGATGAAGACAGATGGTGCAGCCAC:2nd PCR - Reverse Primer
P7 i7 11 IqK
                                                                                                                  Index Barcode 11
                    CAAGCAGAAGACGGCATACGAGAT CCACTTAG GCGGGAAGATGAAGACAGATGGTGCAGCCAC!2nd PCR - Reverse Primer
P7 i7 12 IgK
P7 i7_13 IgK
                   CAAGCAGAAGACGGCATACGAGAT GGAATGGA GCGGGAAGATGAAGACAGATGGTGCAGCCAC#2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 13
P7 i7_14 IgK
                   CAAGCAGAAGACGGCATACGAGAT GATCACAC GCGGGAAGATGAAGACAGATGGTGCAGCCAC&2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 14
P7 i7 15 IgK
                   CAAGCAGAAGACGCCATACGAGAT GCTAGACC GCGGGAAGATGAAGACAGATGGTGCAGCCAC#2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 15
                   CAAGCAGAAGACGGCATACGAGAT AGCGGCGA GCGGGAAGATGAAGACAGATGGTGCAGCCAC&2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 16
P7 i7 16 IaK
P7 i7_17 IgK
                   CAAGCAGAAGACGGCATACGAGAT AGGCTGTC GCGGGAAGATGAAGACAGATGGTGCAGCCAC#2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 17
                   CAAGCAGAAGACGCATACGAGAT CGGGAAGA GCGGGAAGATGAAGACAGATGGTGCAGCCAC#2nd PCR - Reverse Primer
P7 i7_18 IgK
                                                                                                                  Index Barcode 18
P7 i7_19 IgK
                   CAAGCAGAAGACGCCATACGAGAT TGCAACAA GCGGGAAGATGAAGACAGATGGTGCAGCCAC&2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 19
P7 i7_20 IgK
                   CAAGCAGAAGACGGCATACGAGAT CATCTGTG GCGGGAAGATGAAGACAGATGGTGCAGCCACl2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 20
                   GCGGGAAGATGAAGACAGATGGTGCAGCCACAG
IqK Seq
                                                                                      Sequencing Primer Human and Rhesus IgK
                   CTGTGGCTGCACCATCTGTCTTCATCTTCCCGC
Index IgK
                                                                                      Index Primer for Human and Rhesus IgK
IgL (Human and Rhesus)
P7 i7 1 IgL
                   CAAGCAGAAGACGCATACGAGAT TAGTGGTT GGCCTTGTTGGCTTGAAGCTCCTCAGAGGAGC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 1
P7 i7_2 IgL
                   CAAGCAGAAGACGGCATACGAGAT TTAGAGTT GGCCTTGTTGGCTTGAAGCTCCTCAGAGGAG(2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 2
P7 i7_3 IgL
                   CAAGCAGAAGACGGCATACGAGAT AGGGCCTT GGCCTTGTTGGCTTGAAGCTCCTCAGAGGAGC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 3
P7 i7_4 IgL
                   CAAGCAGAAGACGGCATACGAGAT GACATATT GGCCTTGTTGGCTTGAAGCTCCTCAGAGGAGC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode
P7 i7_5 IgL
                   CAAGCAGAAGACGGCATACGAGAT TGACGATT GGCCTTGTTGGCTTGAAGCTCCTCAGAGGAGC 2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 5
P7 i7_6 IgL
                   CAAGCAGAAGACGCATACGAGAT GGCCGTGT GGCCTTGTTGGCTTGAAGCTCCTCAGAGGAGC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 6
                   CAAGCAGAAGACGGCATACGAGAT CGTTTGCT GGCCTTGTTGGCTTGAAGCTCCTCAGAGGAGC 2nd PCR - Reverse Primer
P7 i7 7 IqL
                                                                                                                  Index Barcode
P7 i7 8 IqL
                   CAAGCAGAAGACGGCATACGAGAT CCAGCGCT GGCCTTGTTGGCTTGAAGCTCCTCAGAGGAGC 2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 8
P7 i7_9 IgL
                   CAAGCAGAAGACGGCATACGAGAT AGCGAGCT GGCCTTGTTGGCTTGAAGCTCCTCAGAGGAGC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 9
                   CAAGCAGAAGACGCATACGAGAT TCAATGAT GGCCTTGTTGGCTTGAAGCTCCTCAGAGGAGC2nd PCR - Reverse Primer
P7 i7 10 IqL
                                                                                                                  Index Barcode 10
P7 i7 11 IgL
                   CAAGCAGAGACGCCATACGAGAT CGATCGAA GGCCTTGTTGGCTTGAAGCTCCTCAGAGGAGC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 11
P7 i7 12 IgL
                   CAAGCAGAAGACGGCATACGAGAT CCACTTAG GGCCTTGTTGGCTTGAAGCTCCTCAGAGGAGC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 12
P7 i7_13 IgL
                   CAAGCAGAAGACGCATACGAGAT GGAATGGA GGCCTTGTTGGCTTGAAGCTCCTCAGAGGAGC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 13
P7 i7 14 IgL
                   CAAGCAGAAGACGGCATACGAGAT GATCACAC GGCCTTGTTGGCTTGAAGCTCCTCAGAGGAG(2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 14
P7 i7 15 IgL
                   CAAGCAGAAGACGGCATACGAGAT GCTAGACC GGCCTTGTTGGCTTGAAGCTCCTCAGAGGAGC 2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 15
P7 i7_16 IgL
                   CAAGCAGAAGACGGCATACGAGAT AGCGGCGA GGCCTTGTTGGCTTGAAGCTCCTCAGAGGAG(2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 16
P7 i7_17 IgL
                   CAAGCAGAAGACGCATACGAGAT AGGCTGTC GGCCTTGTTGGCTTGAAGCTCCTCAGAGGAGC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 17
P7 i7 18 IqL
                   CAAGCAGAAGACGGCATACGAGAT CGGGAAGA GGCCTTGTTGGCTTGAAGCTCCTCAGAGGAGC 2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 18
P7 i7_19 IgL
                   CAAGCAGAAGACGCATACGAGAT TGCAACAA GGCCTTGTTGGCTTGAAGCTCCTCAGAGGAGC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 19
P7 i7 20 IqL
                    CAAGCAGAAGACGGCATACGAGAT CATCTGTG GGCCTTGTTGGCTTGAAGCTCCTCAGAGGAG(2nd PCR - Reverse Primer
                   GGCCTTGTTGGCTTGAAGCTCCTCAGAGGAGGG
IgL Seq
                                                                                      Sequencing Primer Human and Rhesus IgL
                   CCCTCCTCTGAGGAGCTTCAAGCCAACAAGGCC
Index IaL
                                                                                      Index Primer for Human and Rhesus IgL
```

```
RhIgM
P7 i7 1 RhIgM
                   CAAGCAGAAGACGCATACGAGAT TAGTGGTT GAGACGAGGGGGAAAAGGGTTGGGGCGGATG(2nd PCR - Reverse Primer
                   CAAGCAGAAGACGGCATACGAGAT TTAGAGTT GAGACGAGGGGGAAAAGGGTTGGGGCGGATGC2nd PCR - Reverse Primer
P7 i7_2 RhIgM
                                                                                                                  Index Barcode 2
P7 i7 3 RhTaM
                   CAAGCAGAAGACGCCATACGAGAT AGGGCCTT GAGACGAGGGGGAAAAGGGTTGGGGCGGATGC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 3
P7 i7_4 RhIgM
                   CAAGCAGAAGACGGCATACGAGAT GACATATT GAGACGAGGGGGAAAAGGGTTGGGGCGGATGC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 4
P7 i7_5 RhIgM
                   CAAGCAGAAGACGCCATACGAGAT TGACGATT GAGACGAGGGGGAAAAGGGTTTGGGGCGGATGC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 5
P7 i7_6 RhIgM
                   CAAGCAGAAGACGCATACGAGAT GGCCGTGT GAGACGAGGGGGAAAAGGGTTGGGGCGGATG(2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 6
P7 i7 7 RhIaM
                   CAAGCAGAAGACGGCATACGAGAT CGTTTGCT GAGACGAGGGGGAAAAGGGTTGGGGCGGATGC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 7
P7 i7_8 RhIgM
                   CAAGCAGAAGACGGCATACGAGAT CCAGCGCT GAGACGAGGGGGAAAAGGGTTGGGGCGGATGC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode
P7 i7_9 RhIgM
                   CAAGCAGAAGACGGCATACGAGAT AGCGAGCT GAGACGAGGGGGAAAAGGGTTGGGGCGGATG(2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 9
P7 i7_10 RhIgM
                   CAAGCAGAAGACGCCATACGAGAT TCAATGAT GAGACGAGGGGGAAAAGGGTTTGGGGCGGATGC 2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 10
P7 i7_11 RhIgM
                   CAAGCAGAAGACGGCATACGAGAT CGATCGAA GAGACGAGGGGGAAAAGGGTTGGGGCGGATGC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 11
P7 i7_12 RhIgM
                   CAAGCAGAAGACGGCATACGAGAT CCACTTAG GAGACGAGGGGGAAAAGGGTTGGGGCGGATG(2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 12
P7 i7_13 RhIgM
                   CAAGCAGAAGACGCCATACGAGAT GGAATGGA GAGACGAGGGGGAAAAGGGTTGGGGCGGATG(2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 13
P7 i7_14 RhIgM
                   CAAGCAGAAGACGGCATACGAGAT GATCACAC GAGACGAGGGGGAAAAGGGTTGGGGCGGATGC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 14
P7 i7_15 RhIgM
                   CAAGCAGAAGACGCATACGAGAT GCTAGACC GAGACGAGGGGGAAAAGGGTTGGGGCGGATGC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 15
P7 i7_16 RhIgM
                   CAAGCAGAAGACGGCATACGAGAT AGCGGCGA GAGACGAGGGGGAAAAGGGTTGGGGCGGATGC2nd PCR - Reverse Primer
                   CAAGCAGAAGACGGCATACGAGAT AGGCTGTC GAGACGAGGGGGAAAAGGGTTGGGGCGGATGC2nd PCR - Reverse Primer
P7 i7_17 RhIgM
                                                                                                                  Index Barcode 17
P7 i7_18 RhIgM
P7 i7 19 RhIgM
                   CAAGCAGAAGACGCATACGAGAT CGGGAAGA GAGACGAGGGGGAAAAAGGGTTGGGGCGGATG(2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 18
                   CAAGCAGAAGACGCCATACGAGAT TGCAACAA GAGACGAGGGGGAAAAGGGTTGGGGCGGATGC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 19
P7 i7_20 RhIgM
                   CAAGCAGAAGACGCATACGAGAT CATCTGTG GAGACGAGGGGGAAAAGGGTTGGGGCGGATG(2nd PCR - Reverse Primer
                   GAGACGAGGGGAAAAGGGTTGGGGCGGATGCA
RhIgM Seq
                                                                                      Sequencing Primer Rhesus IgM
Index RhIqM
                   TGCATCCGCCCCAACCCTTTTCCCCCCTCGTCTC
                                                                                      Index Primer for Rhesus IqM
RhIgA
P7 i7_1 RhIgA
                   CAAGCAGAAGACGCATACGAGAT TAGTGGTT GAGGCTCAGCGGGAAGACCTTGGGGCTGGTC(2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 1
P7 i7_2 RhIgA
                   CAAGCAGAAGACGCCATACGAGAT TTAGAGTT GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 2
                   CAAGCAGAAGACGGCATACGAGAT AGGGCCTT GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCC2nd PCR - Reverse Primer
P7 i7 3 RhIqA
P7 i7_4 RhIgA
                   CAAGCAGAAGACGCATACGAGAT GACATATT GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 4
P7 i7 5 RhIgA
                   CAAGCAGAAGACGCATACGAGAT TGACGATT GAGGCTCAGCGGGAAGACCTTGGGGCTGGTC(2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 5
P7 i7_6 RhIgA
                   CAAGCAGAAGACGGCATACGAGAT GGCCGTGT GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 6
P7 i7_7 RhIgA
                   CAAGCAGAAGACGCATACGAGAT CGTTTGCT GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCC2nd PCR - Reverse Primer
P7 i7_8 RhIgA
                   CAAGCAGAAGACGGCATACGAGAT CCAGCGCT GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 8
P7 i7_9 RhIgA
                   CAAGCAGAAGACGGCATACGAGAT AGCGAGCT GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 9
P7 i7_10 RhIgA
                   CAAGCAGAAGACGCATACGAGAT TCAATGAT GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 10
P7 i7_11 RhIgA
                   CAAGCAGAAGACGGCATACGAGAT CGATCGAA GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 11
                                                                                                                  Index Barcode 12
P7 i7_12 RhIgA
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P7 i7_13 RhIgA
                   CAAGCAGAAGACGCCATACGAGAT GGAATGGA GAGGCTCAGCGGGAAGACCTTGGGGCTGGTC(2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 13
P7 i7_14 RhIgA
                   CAAGCAGAAGACGGCATACGAGAT GATCACAC GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 14
P7 i7_15 RhIgA
                   CAAGCAGAAGACGCCATACGAGAT GCTAGACC GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 15
P7 i7 16 RhIgA
                   CAAGCAGAAGACGGCATACGAGAT AGCGGCGA GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 16
                   CAAGCAGAAGACGCCATACGAGAT AGGCTGTC GAGGCTCAGCGGGAAGACCTTGGGGCTGGTC(2nd PCR - Reverse Primer
P7 i7_17 RhIgA
P7 i7_18 RhIgA
                                                                                                                  Index Barcode 17
                   CAAGCAGAAGACGCCATACGAGAT CGGGAAGA GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 18
P7 i7_19 RhIgA
                   CAAGCAGAAGACGGCATACGAGAT TGCAACAA GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 19
P7 i7 20 RhIgA
                   CAAGCAGAAGACGGCATACGAGAT CATCTGTG GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCC2nd PCR - Reverse Primer
                                                                                                                  Index Barcode 20
                   GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCGG
RhIgA Seq
                                                                                      Sequencing Primer Rhesus IgA
                   CCGACCAGCCCCAAGGTCTTCCCGCTGAGCCTC
Index RhIgA
                                                                                      Index Primer for Rhesus IgA
RhIgE
P7 i7 1 RhIgE
                   CAAGCAGAAGACGCATACGAGAT TAGTGGTT CGGGTCAAGGGGAAGACGGATGGGCTCTGTG12nd PCR - Reverse Primer
                   CAAGCAGAAGACGCCATACGAGAT TTAGAGTT CGGGTCAAGGGGAAGACGGATGGGCTCTGTG12nd PCR - Reverse Primer
P7 i7_2 RhIgE
                                                                                                                  Index Barcode 2
P7 i7 3 RhIgE
                   CAAGCAGAAGACGCATACGAGAT AGGGCCTT CGGGTCAAGGGGAAGACGGATGGGCTCTGTG12nd PCR - Reverse Primer
                                                                                                                  Index Barcode 3
                   CAAGCAGAAGACGCATACGAGAT GACATATT CGGGTCAAGGGGAAGACGGATGGGCTCTGTG12nd PCR - Reverse Primer
P7 i7 4 RhIgE
                                                                                                                  Index Barcode 4
P7 i7_5 RhIgE
                   CAAGCAGAAGACGCCATACGAGAT TGACGATT CGGGTCAAGGGGAAGACGGATGGGCTCTGTG12nd PCR - Reverse Primer
                                                                                                                  Index Barcode 5
P7 i7_6 RhIgE
                   CAAGCAGAAGACGGCATACGAGAT GGCCGTGT CGGGTCAAGGGGAAGACGGATGGGCTCTGTG12nd PCR - Reverse Primer
                                                                                                                  Index Barcode 6
P7 i7 7 RhTaE
                   CAAGCAGAAGACGCATACGAGAT CGTTTGCT CGGGTCAAGGGGAAGACGGATGGGCTCTGTG12nd PCR - Reverse Primer
                                                                                                                  Index Barcode 7
P7 i7 8 RhIqE
                   CAAGCAGAAGACGCATACGAGAT CCAGCGCT CGGGTCAAGGGGAAGACGGATGGGCTCTGTG12nd PCR - Reverse Primer
                                                                                                                  Index Barcode 8
P7 i7_9 RhIgE
                   CAAGCAGAAGACGCATACGAGAT AGCGAGCT CGGGTCAAGGGGGAAGACGGATGGGCTCTGTG12nd PCR - Reverse Primer
                                                                                                                  Index Barcode 9
P7 i7_10 RhIgE
                   CAAGCAGAAGACGCATACGAGAT TCAATGAT CGGGTCAAGGGGAAGACGGATGGGCTCTGTG12nd PCR - Reverse Primer
                                                                                                                  Index Barcode 10
P7 i7 11 RhIgE
                   CAAGCAGAAGACGGCATACGAGAT CGATCGAA CGGGTCAAGGGGAAGACGGATGGGCTCTGTG12nd PCR - Reverse Primer
                                                                                                                  Index Barcode 11
P7 i7_12 RhIgE
                   CAAGCAGAAGACGCATACGAGAT CCACTTAG CGGGTCAAGGGGAAGACGGATGGGCTCTGTG12nd PCR - Reverse Primer
                                                                                                                  Index Barcode 12
P7 i7_13 RhIgE
                   CAAGCAGAAGACGGCATACGAGAT GGAATGGA CGGGTCAAGGGGAAGACGGATGGGCTCTGTG12nd PCR - Reverse Primer
                                                                                                                  Index Barcode 13
P7 i7 14 RhIgE
                   CAAGCAGAAGACGGCATACGAGAT GATCACAC CGGGTCAAGGGGAAGACGGATGGGCTCTGTG72nd PCR - Reverse Primer
                                                                                                                  Index Barcode 14
P7 i7 15 RhIgE
                   CAAGCAGAAGACGCATACGAGAT GCTAGACC CGGGTCAAGGGGAAGACGGATGGGCTCTGTG12nd PCR - Reverse Primer
                                                                                                                  Index Barcode 15
P7 i7_16 RhIgE
                   CAAGCAGAAGACGGCATACGAGAT AGCGGCGA CGGGTCAAGGGGAAGACGGATGGGCTCTGTG12nd PCR - Reverse Primer
                                                                                                                  Index Barcode 16
P7 i7_17 RhIgE
                   CAAGCAGAAGACGGCATACGAGAT AGGCTGTC CGGGTCAAGGGGGAAGACGGATGGGCTCTGTG12nd PCR - Reverse Primer
                                                                                                                  Index Barcode 17
P7 i7_18 RhIgE
                   CAAGCAGAAGACGGCATACGAGAT CGGGAAGA CGGGTCAAGGGGGAAGACGGATGGGCTCTGTG12nd PCR - Reverse Primer
                                                                                                                  Index Barcode 18
P7 i7 19 RhIgE
                   CAAGCAGAAGACGGCATACGAGAT TGCAACAA CGGGTCAAGGGGAAGACGGATGGGCTCTGTG12nd PCR - Reverse Primer
                                                                                                                  Index Barcode 19
P7 i7_20 RhIgE
RhIgE Seq
                                                                                      Sequencing Primer Rhesus IgE
Index RhIqE
                   CACACAGAGCCCATCCGTCTTCCCCTTGACCCG
                                                                                      Index Primer for Rhesus IgE
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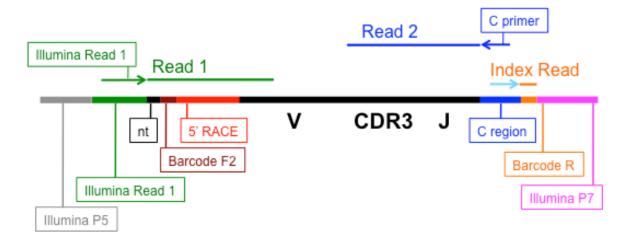
Appendix C: Library Preparation Overview



PCR: flow cell binding anchors, sequencing primers, random nt and barcodes



Appendix D: Illumina Sequencing Overview



Read 1: Cluster registration, barcode F2 and V region

Index Read: Barcode R

Read 2: J region and CDR3