

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".

Oligo Name	Oligo Sequence	Use	Annotation
CDS Oligo dT	TTTTTTTTTTTTTTTTTTTTTTTTT	1st-strand cDNA Synthesis	3' RACE Anchor
SMARTer II A	AAGCAGTGGTATCAACGCAGAGTACATrGrGrG	1st-strand cDNA Synthesis	5' RACE Anchor
5PIIA	AAGCAGTGGTATCAACGCAGAGT	1st PCR - Forward Primer	Universal Primer Sequence
P5_Graft P5_Seq	AATGATACGGGACACCGAGATCTACAC TCTTTCCCTACACGACGCTCTCCGATCT	2nd PCR - Forward Primer 1	P5 Grafting Sequence/ P5 Sequencing Primer Site
IgG	GCCAGGGGGAAGACCGATGGGCCCTTGGTGA	1st round PCR	Human and Nonhuman Primate
IgA	GAGGCTCAGCGGGAAGACCTTGGGCTGGTCGG	1st round PCR	Human only
IgM	AGGAGACGAGGGGGAAGGGTTGGGCGGATG	1st round PCR	Human only
IgE	GCGGGTCAAGGGGAAGACGGATGGGCTCTGTGT	1st round PCR	Human only
IgD	CTGATATGATGGGGAACACATCCGAGCCCTGG	1st round PCR	Human and Nonhuman Primate
IgK	GCGGGAAGATGAAGACAGATGGTGACGCCACAG	1st round PCR	Human and Nonhuman Primate
IgL	GGCCTTGTGGCTTGAAGCTCTCAGAGGAGGG	1st round PCR	Human and Nonhuman Primate
RhIgM	GAGACGAGGGGGAAGGGTTGGGCGGATGCA	1st round PCR	Non-human Primate
RhIgA	GAGGCTCAGCGGGAAGACCTTGGGCTGGTCGG	1st round PCR	Non-human Primate
RhIgE	CGGGTCAAGGGGAAGACCGATGGGCTCTGTGTG	1st round PCR	Non-human Primate
P5_Seq BC_1 5PIIA	CACGACGCTCTCCGATCT NNNN AACCCTAA AAGCAGTGGTATCAACGCAGAGT	2nd PCR - Forward Primer 2	Inline Barcode 1
P5_Seq BC_2 5PIIA	CACGACGCTCTCCGATCT NNNNN AACTCTAA AAGCAGTGGTATCAACGCAGAGT	2nd PCR - Forward Primer 2	Inline Barcode 2
P5_Seq BC_3 5PIIA	CACGACGCTCTCCGATCT NNNNNN AAGGCCCT AAGCAGTGGTATCAACGCAGAGT	2nd PCR - Forward Primer 2	Inline Barcode 3
P5_Seq BC_4 5PIIA	CACGACGCTCTCCGATCT NNNNNNN AATATGTC AAGCAGTGGTATCAACGCAGAGT	2nd PCR - Forward Primer 2	Inline Barcode 4
P5_Seq BC_5 5PIIA	CACGACGCTCTCCGATCT NNNNNNNN AATCGTCA AAGCAGTGGTATCAACGCAGAGT	2nd PCR - Forward Primer 2	Inline Barcode 5
P5_Seq BC_6 5PIIA	CACGACGCTCTCCGATCT NNNN ACACGGCC AAGCAGTGGTATCAACGCAGAGT	2nd PCR - Forward Primer 2	Inline Barcode 6
P5_Seq BC_7 5PIIA	CACGACGCTCTCCGATCT NNNNN AGCAACG AAGCAGTGGTATCAACGCAGAGT	2nd PCR - Forward Primer 2	Inline Barcode 7
P5_Seq BC_8 5PIIA	CACGACGCTCTCCGATCT NNNNNN AGCGCTGG AAGCAGTGGTATCAACGCAGAGT	2nd PCR - Forward Primer 2	Inline Barcode 8
P5_Seq BC_9 5PIIA	CACGACGCTCTCCGATCT NNNNNNN AGCTCGCT AAGCAGTGGTATCAACGCAGAGT	2nd PCR - Forward Primer 2	Inline Barcode 9
P5_Seq BC_10 5PIIA	CACGACGCTCTCCGATCT NNNNNNNN ATCATTGA AAGCAGTGGTATCAACGCAGAGT	2nd PCR - Forward Primer 2	Inline Barcode 10
P5_Seq BC_11 5PIIA	CACGACGCTCTCCGATCT NNNN TTCGATCG AAGCAGTGGTATCAACGCAGAGT	2nd PCR - Forward Primer 2	Inline Barcode 11
P5_Seq BC_12 5PIIA	CACGACGCTCTCCGATCT NNNNN CTAAGTGG AAGCAGTGGTATCAACGCAGAGT	2nd PCR - Forward Primer 2	Inline Barcode 12
P5_Seq BC_13 5PIIA	CACGACGCTCTCCGATCT NNNNNN TCCATTCC AAGCAGTGGTATCAACGCAGAGT	2nd PCR - Forward Primer 2	Inline Barcode 13
P5_Seq BC_14 5PIIA	CACGACGCTCTCCGATCT NNNNNNN GTGTGATC AAGCAGTGGTATCAACGCAGAGT	2nd PCR - Forward Primer 2	Inline Barcode 14
P5_Seq BC_15 5PIIA	CACGACGCTCTCCGATCT NNNNNNNN GGTCTAGC AAGCAGTGGTATCAACGCAGAGT	2nd PCR - Forward Primer 2	Inline Barcode 15
P5_Seq BC_16 5PIIA	CACGACGCTCTCCGATCT NNNN TCGCCGCT AAGCAGTGGTATCAACGCAGAGT	2nd PCR - Forward Primer 2	Inline Barcode 16
P5_Seq BC_17 5PIIA	CACGACGCTCTCCGATCT NNNNN GACAGCCT AAGCAGTGGTATCAACGCAGAGT	2nd PCR - Forward Primer 2	Inline Barcode 17
P5_Seq BC_18 5PIIA	CACGACGCTCTCCGATCT NNNNNN TCTTCCCG AAGCAGTGGTATCAACGCAGAGT	2nd PCR - Forward Primer 2	Inline Barcode 18
P5_Seq BC_19 5PIIA	CACGACGCTCTCCGATCT NNNNNNN TTGTTCGA AAGCAGTGGTATCAACGCAGAGT	2nd PCR - Forward Primer 2	Inline Barcode 19
P5_Seq BC_20 5PIIA	CACGACGCTCTCCGATCT NNNNNNNN CACAGATG AAGCAGTGGTATCAACGCAGAGT	2nd PCR - Forward Primer 2	Inline Barcode 20
Ig G (Human And Rhesus)			
P7 i7_1 IgG	CAAGCAGAAGACGGCATACGAGAT TAGTGGTT GCCAGGGGGAAGACCGATGGGCCCTTGGTGG/	2nd PCR - Reverse Primer	Index Barcode 1
P7 i7_2 IgG	CAAGCAGAAGACGGCATACGAGAT TTAGAGTT GCCAGGGGGAAGACCGATGGGCCCTTGGTGG/	2nd PCR - Reverse Primer	Index Barcode 2
P7 i7_3 IgG	CAAGCAGAAGACGGCATACGAGAT AGGGCCCTT GCCAGGGGGAAGACCGATGGGCCCTTGGTGG/	2nd PCR - Reverse Primer	Index Barcode 3
P7 i7_4 IgG	CAAGCAGAAGACGGCATACGAGAT GACATATT GCCAGGGGGAAGACCGATGGGCCCTTGGTGG/	2nd PCR - Reverse Primer	Index Barcode 4
P7 i7_5 IgG	CAAGCAGAAGACGGCATACGAGAT TGACGATT GCCAGGGGGAAGACCGATGGGCCCTTGGTGG/	2nd PCR - Reverse Primer	Index Barcode 5
P7 i7_6 IgG	CAAGCAGAAGACGGCATACGAGAT GGCCGTGT GCCAGGGGGAAGACCGATGGGCCCTTGGTGG/	2nd PCR - Reverse Primer	Index Barcode 6
P7 i7_7 IgG	CAAGCAGAAGACGGCATACGAGAT CGTTTGCT GCCAGGGGGAAGACCGATGGGCCCTTGGTGG/	2nd PCR - Reverse Primer	Index Barcode 7
P7 i7_8 IgG	CAAGCAGAAGACGGCATACGAGAT CCAGCGCT GCCAGGGGGAAGACCGATGGGCCCTTGGTGG/	2nd PCR - Reverse Primer	Index Barcode 8
P7 i7_9 IgG	CAAGCAGAAGACGGCATACGAGAT AGCGAGCT GCCAGGGGGAAGACCGATGGGCCCTTGGTGG/	2nd PCR - Reverse Primer	Index Barcode 9
P7 i7_10 IgG	CAAGCAGAAGACGGCATACGAGAT TCAATGAT GCCAGGGGGAAGACCGATGGGCCCTTGGTGG/	2nd PCR - Reverse Primer	Index Barcode 10
P7 i7_11 IgG	CAAGCAGAAGACGGCATACGAGAT CGATCGAA GCCAGGGGGAAGACCGATGGGCCCTTGGTGG/	2nd PCR - Reverse Primer	Index Barcode 11
P7 i7_12 IgG	CAAGCAGAAGACGGCATACGAGAT CCACTTAG GCCAGGGGGAAGACCGATGGGCCCTTGGTGG/	2nd PCR - Reverse Primer	Index Barcode 12
P7 i7_13 IgG	CAAGCAGAAGACGGCATACGAGAT GGAATGGA 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 GCTAGACC GCCAGGGGGAAGACCGATGGGCCCTTGGTGG/	2nd PCR - Reverse Primer	Index Barcode 15
P7 i7_16 IgG	CAAGCAGAAGACGGCATACGAGAT AGCGGCGA GCCAGGGGGAAGACCGATGGGCCCTTGGTGG/	2nd PCR - Reverse Primer	Index Barcode 16
P7 i7_17 IgG	CAAGCAGAAGACGGCATACGAGAT AGGCTGTC GCCAGGGGGAAGACCGATGGGCCCTTGGTGG/	2nd PCR - Reverse Primer	Index Barcode 17
P7 i7_18 IgG	CAAGCAGAAGACGGCATACGAGAT CGGGAAGA GCCAGGGGGAAGACCGATGGGCCCTTGGTGG/	2nd PCR - Reverse Primer	Index Barcode 18
P7 i7_19 IgG	CAAGCAGAAGACGGCATACGAGAT TGCAACAA GCCAGGGGGAAGACCGATGGGCCCTTGGTGG/	2nd PCR - Reverse Primer	Index Barcode 19
P7 i7_20 IgG	CAAGCAGAAGACGGCATACGAGAT CATCTGTG GCCAGGGGGAAGACCGATGGGCCCTTGGTGG/	2nd PCR - Reverse Primer	Index Barcode 20
IgG Seq	GCCAGGGGGAAGACCGATGGGCCCTTGGTGA	Sequencing Primer Human and Rhesus IgG	
Index IgG	TCCACCAAGGGCCCATCGGTCTTCCCCCTGGC	Index Primer for Human and Rhesus IgG	

IgA (Human Only)				
P7 i7_1 IgA	CAAGCAGAAGACGGCATAACGAGAT	TAGTGGTT	GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCC	2nd PCR - Reverse Primer Index Barcode 1
P7 i7_2 IgA	CAAGCAGAAGACGGCATAACGAGAT	TTAGAGTT	GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCC	2nd PCR - Reverse Primer Index Barcode 2
P7 i7_3 IgA	CAAGCAGAAGACGGCATAACGAGAT	AGGGCCTT	GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCC	2nd PCR - Reverse Primer Index Barcode 3
P7 i7_4 IgA	CAAGCAGAAGACGGCATAACGAGAT	GACATATT	GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCC	2nd PCR - Reverse Primer Index Barcode 4
P7 i7_5 IgA	CAAGCAGAAGACGGCATAACGAGAT	TGACGATT	GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCC	2nd PCR - Reverse Primer Index Barcode 5
P7 i7_6 IgA	CAAGCAGAAGACGGCATAACGAGAT	GGCCGTGT	GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCC	2nd PCR - Reverse Primer Index Barcode 6
P7 i7_7 IgA	CAAGCAGAAGACGGCATAACGAGAT	CGTTTGCT	GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCC	2nd PCR - Reverse Primer Index Barcode 7
P7 i7_8 IgA	CAAGCAGAAGACGGCATAACGAGAT	CCAGCGCT	GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCC	2nd PCR - Reverse Primer Index Barcode 8
P7 i7_9 IgA	CAAGCAGAAGACGGCATAACGAGAT	AGCGAGCT	GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCC	2nd PCR - Reverse Primer Index Barcode 9
P7 i7_10 IgA	CAAGCAGAAGACGGCATAACGAGAT	TCAATGAT	GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCC	2nd PCR - Reverse Primer Index Barcode 10
P7 i7_11 IgA	CAAGCAGAAGACGGCATAACGAGAT	CGATCGAA	GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCC	2nd PCR - Reverse Primer Index Barcode 11
P7 i7_12 IgA	CAAGCAGAAGACGGCATAACGAGAT	CCACTTAG	GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCC	2nd PCR - Reverse Primer Index Barcode 12
P7 i7_13 IgA	CAAGCAGAAGACGGCATAACGAGAT	GGAATGGA	GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCC	2nd PCR - Reverse Primer Index Barcode 13
P7 i7_14 IgA	CAAGCAGAAGACGGCATAACGAGAT	GATCACAC	GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCC	2nd PCR - Reverse Primer Index Barcode 14
P7 i7_15 IgA	CAAGCAGAAGACGGCATAACGAGAT	GCTAGACC	GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCC	2nd PCR - Reverse Primer Index Barcode 15
P7 i7_16 IgA	CAAGCAGAAGACGGCATAACGAGAT	AGCGGCGA	GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCC	2nd PCR - Reverse Primer Index Barcode 16
P7 i7_17 IgA	CAAGCAGAAGACGGCATAACGAGAT	AGGCTGTC	GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCC	2nd PCR - Reverse Primer Index Barcode 17
P7 i7_18 IgA	CAAGCAGAAGACGGCATAACGAGAT	CGGGAAGA	GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCC	2nd PCR - Reverse Primer Index Barcode 18
P7 i7_19 IgA	CAAGCAGAAGACGGCATAACGAGAT	TGCAACAA	GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCC	2nd PCR - Reverse Primer Index Barcode 19
P7 i7_20 IgA	CAAGCAGAAGACGGCATAACGAGAT	CATCTGTG	GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCC	2nd PCR - Reverse Primer Index Barcode 20

IgA Seq	GAGGCTCAGCGGGAAGACCTTGGGGCTGGTCCG	Sequencing Primer Human IgA
Index IgA	CCGACCAGCCCCAAGGTTCTCCCGCTGAGCCTC	Index Primer for human IgA

IgM (Human Only)				
P7 i7_1 IgM	CAAGCAGAAGACGGCATAACGAGAT	TAGTGGTT	AGGAGACGAGGGGAAAAGGGTTGGGGCGGA1	2nd PCR - Reverse Primer Index Barcode 1
P7 i7_2 IgM	CAAGCAGAAGACGGCATAACGAGAT	TTAGAGTT	AGGAGACGAGGGGAAAAGGGTTGGGGCGGA1	2nd PCR - Reverse Primer Index Barcode 2
P7 i7_3 IgM	CAAGCAGAAGACGGCATAACGAGAT	AGGGCCTT	AGGAGACGAGGGGAAAAGGGTTGGGGCGGA1	2nd PCR - Reverse Primer Index Barcode 3
P7 i7_4 IgM	CAAGCAGAAGACGGCATAACGAGAT	GACATATT	AGGAGACGAGGGGAAAAGGGTTGGGGCGGA1	2nd PCR - Reverse Primer Index Barcode 4
P7 i7_5 IgM	CAAGCAGAAGACGGCATAACGAGAT	TGACGATT	AGGAGACGAGGGGAAAAGGGTTGGGGCGGA1	2nd PCR - Reverse Primer Index Barcode 5
P7 i7_6 IgM	CAAGCAGAAGACGGCATAACGAGAT	GGCCGTGT	AGGAGACGAGGGGAAAAGGGTTGGGGCGGA1	2nd PCR - Reverse Primer Index Barcode 6
P7 i7_7 IgM	CAAGCAGAAGACGGCATAACGAGAT	CGTTTGCT	AGGAGACGAGGGGAAAAGGGTTGGGGCGGA1	2nd PCR - Reverse Primer Index Barcode 7
P7 i7_8 IgM	CAAGCAGAAGACGGCATAACGAGAT	CCAGCGCT	AGGAGACGAGGGGAAAAGGGTTGGGGCGGA1	2nd PCR - Reverse Primer Index Barcode 8
P7 i7_9 IgM	CAAGCAGAAGACGGCATAACGAGAT	AGCGAGCT	AGGAGACGAGGGGAAAAGGGTTGGGGCGGA1	2nd PCR - Reverse Primer Index Barcode 9
P7 i7_10 IgM	CAAGCAGAAGACGGCATAACGAGAT	TCAATGAT	AGGAGACGAGGGGAAAAGGGTTGGGGCGGA1	2nd PCR - Reverse Primer Index Barcode 10
P7 i7_11 IgM	CAAGCAGAAGACGGCATAACGAGAT	CGATCGAA	AGGAGACGAGGGGAAAAGGGTTGGGGCGGA1	2nd PCR - Reverse Primer Index Barcode 11
P7 i7_12 IgM	CAAGCAGAAGACGGCATAACGAGAT	CCACTTAG	AGGAGACGAGGGGAAAAGGGTTGGGGCGGA1	2nd PCR - Reverse Primer Index Barcode 12
P7 i7_13 IgM	CAAGCAGAAGACGGCATAACGAGAT	GGAATGGA	AGGAGACGAGGGGAAAAGGGTTGGGGCGGA1	2nd PCR - Reverse Primer Index Barcode 13
P7 i7_14 IgM	CAAGCAGAAGACGGCATAACGAGAT	GATCACAC	AGGAGACGAGGGGAAAAGGGTTGGGGCGGA1	2nd PCR - Reverse Primer Index Barcode 14
P7 i7_15 IgM	CAAGCAGAAGACGGCATAACGAGAT	GCTAGACC	AGGAGACGAGGGGAAAAGGGTTGGGGCGGA1	2nd PCR - Reverse Primer Index Barcode 15
P7 i7_16 IgM	CAAGCAGAAGACGGCATAACGAGAT	AGCGGCGA	AGGAGACGAGGGGAAAAGGGTTGGGGCGGA1	2nd PCR - Reverse Primer Index Barcode 16
P7 i7_17 IgM	CAAGCAGAAGACGGCATAACGAGAT	AGGCTGTC	AGGAGACGAGGGGAAAAGGGTTGGGGCGGA1	2nd PCR - Reverse Primer Index Barcode 17
P7 i7_18 IgM	CAAGCAGAAGACGGCATAACGAGAT	CGGGAAGA	AGGAGACGAGGGGAAAAGGGTTGGGGCGGA1	2nd PCR - Reverse Primer Index Barcode 18
P7 i7_19 IgM	CAAGCAGAAGACGGCATAACGAGAT	TGCAACAA	AGGAGACGAGGGGAAAAGGGTTGGGGCGGA1	2nd PCR - Reverse Primer Index Barcode 19
P7 i7_20 IgM	CAAGCAGAAGACGGCATAACGAGAT	CATCTGTG	AGGAGACGAGGGGAAAAGGGTTGGGGCGGA1	2nd PCR - Reverse Primer Index Barcode 20

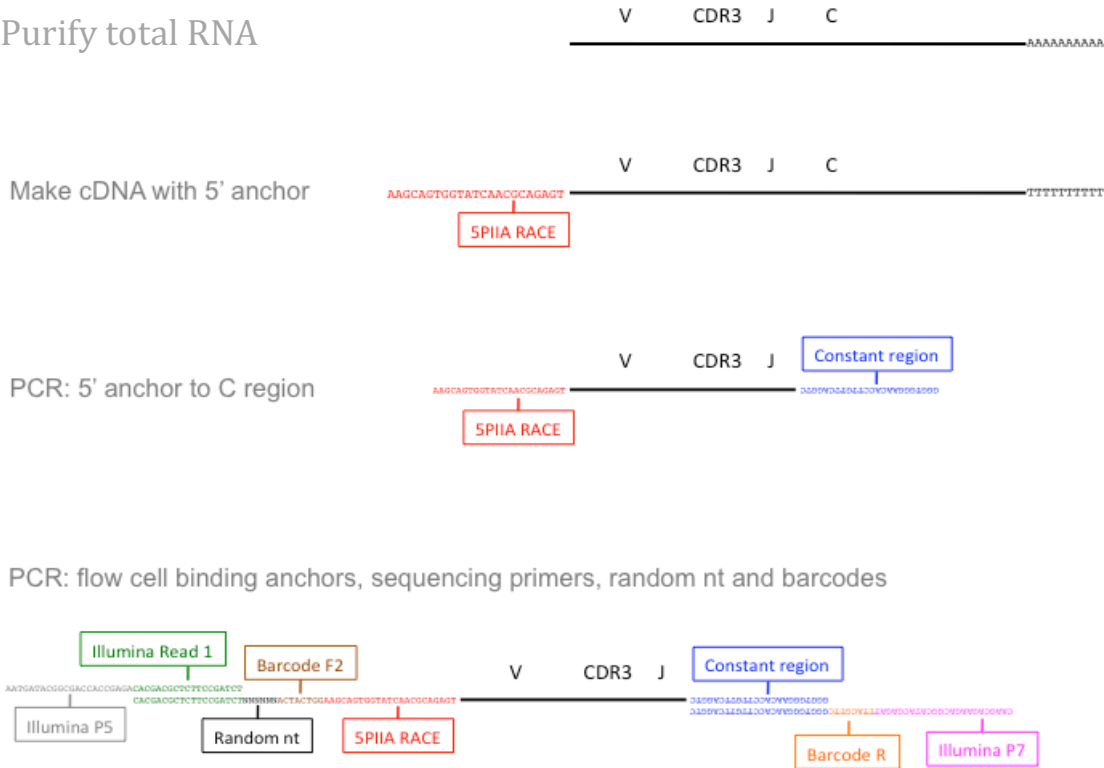
IgM Seq	AGGAGACGAGGGGAAAAGGGTTGGGGCGGATG	Sequencing Primer Human IgM
Index IgM	CATCCGCCCAACCTTTTCCCTCTGCTCCT	Index Primer for human IgM

IgE (Human Only)				
P7 i7_1 IgE	CAAGCAGAAGACGGCATAACGAGAT	TAGTGGTT	GCGGGTCAAGGGGAAGACGGATGGGCTCTGTCT	2nd PCR - Reverse Primer Index Barcode 1
P7 i7_2 IgE	CAAGCAGAAGACGGCATAACGAGAT	TTAGAGTT	GCGGGTCAAGGGGAAGACGGATGGGCTCTGTCT	2nd PCR - Reverse Primer Index Barcode 2
P7 i7_3 IgE	CAAGCAGAAGACGGCATAACGAGAT	AGGGCCTT	GCGGGTCAAGGGGAAGACGGATGGGCTCTGTCT	2nd PCR - Reverse Primer Index Barcode 3
P7 i7_4 IgE	CAAGCAGAAGACGGCATAACGAGAT	GACATATT	GCGGGTCAAGGGGAAGACGGATGGGCTCTGTCT	2nd PCR - Reverse Primer Index Barcode 4
P7 i7_5 IgE	CAAGCAGAAGACGGCATAACGAGAT	TGACGATT	GCGGGTCAAGGGGAAGACGGATGGGCTCTGTCT	2nd PCR - Reverse Primer Index Barcode 5
P7 i7_6 IgE	CAAGCAGAAGACGGCATAACGAGAT	GGCCGTGT	GCGGGTCAAGGGGAAGACGGATGGGCTCTGTCT	2nd PCR - Reverse Primer Index Barcode 6
P7 i7_7 IgE	CAAGCAGAAGACGGCATAACGAGAT	CGTTTGCT	GCGGGTCAAGGGGAAGACGGATGGGCTCTGTCT	2nd PCR - Reverse Primer Index Barcode 7
P7 i7_8 IgE	CAAGCAGAAGACGGCATAACGAGAT	CCAGCGCT	GCGGGTCAAGGGGAAGACGGATGGGCTCTGTCT	2nd PCR - Reverse Primer Index Barcode 8
P7 i7_9 IgE	CAAGCAGAAGACGGCATAACGAGAT	AGCGAGCT	GCGGGTCAAGGGGAAGACGGATGGGCTCTGTCT	2nd PCR - Reverse Primer Index Barcode 9
P7 i7_10 IgE	CAAGCAGAAGACGGCATAACGAGAT	TCAATGAT	GCGGGTCAAGGGGAAGACGGATGGGCTCTGTCT	2nd PCR - Reverse Primer Index Barcode 10
P7 i7_11 IgE	CAAGCAGAAGACGGCATAACGAGAT	CGATCGAA	GCGGGTCAAGGGGAAGACGGATGGGCTCTGTCT	2nd PCR - Reverse Primer Index Barcode 11
P7 i7_12 IgE	CAAGCAGAAGACGGCATAACGAGAT	CCACTTAG	GCGGGTCAAGGGGAAGACGGATGGGCTCTGTCT	2nd PCR - Reverse Primer Index Barcode 12
P7 i7_13 IgE	CAAGCAGAAGACGGCATAACGAGAT	GGAATGGA	GCGGGTCAAGGGGAAGACGGATGGGCTCTGTCT	2nd PCR - Reverse Primer Index Barcode 13
P7 i7_14 IgE	CAAGCAGAAGACGGCATAACGAGAT	GATCACAC	GCGGGTCAAGGGGAAGACGGATGGGCTCTGTCT	2nd PCR - Reverse Primer Index Barcode 14
P7 i7_15 IgE	CAAGCAGAAGACGGCATAACGAGAT	GCTAGACC	GCGGGTCAAGGGGAAGACGGATGGGCTCTGTCT	2nd PCR - Reverse Primer Index Barcode 15
P7 i7_16 IgE	CAAGCAGAAGACGGCATAACGAGAT	AGCGGCGA	GCGGGTCAAGGGGAAGACGGATGGGCTCTGTCT	2nd PCR - Reverse Primer Index Barcode 16
P7 i7_17 IgE	CAAGCAGAAGACGGCATAACGAGAT	AGGCTGTC	GCGGGTCAAGGGGAAGACGGATGGGCTCTGTCT	2nd PCR - Reverse Primer Index Barcode 17
P7 i7_18 IgE	CAAGCAGAAGACGGCATAACGAGAT	CGGGAAGA	GCGGGTCAAGGGGAAGACGGATGGGCTCTGTCT	2nd PCR - Reverse Primer Index Barcode 18
P7 i7_19 IgE	CAAGCAGAAGACGGCATAACGAGAT	TGCAACAA	GCGGGTCAAGGGGAAGACGGATGGGCTCTGTCT	2nd PCR - Reverse Primer Index Barcode 19
P7 i7_20 IgE	CAAGCAGAAGACGGCATAACGAGAT	CATCTGTG	GCGGGTCAAGGGGAAGACGGATGGGCTCTGTCT	2nd PCR - Reverse Primer Index Barcode 20

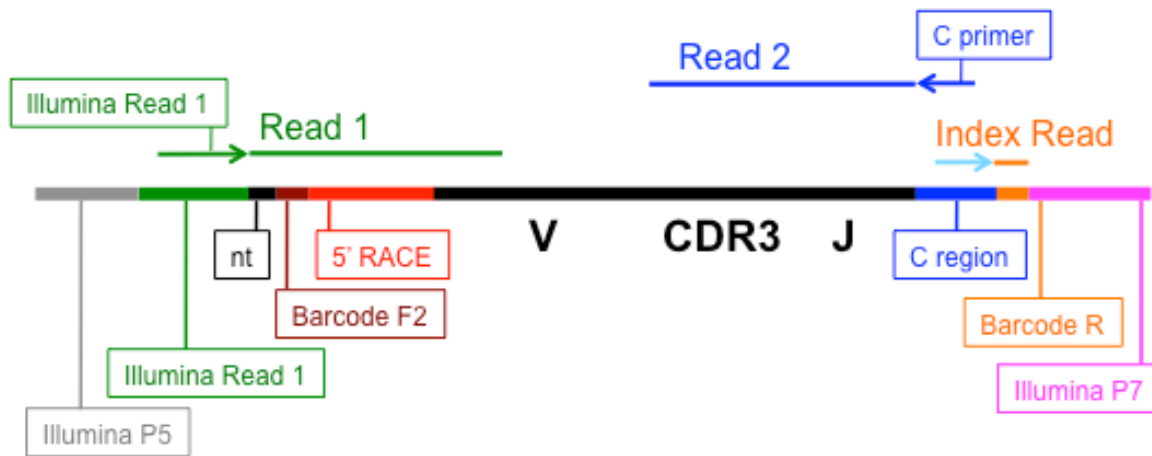
IgE Seq	GCGGGTCAAGGGGAAGACGGATGGGCTCTGTCT	Sequencing Primer Human IgE
Index IgE	ACACAGAGCCCATCCCTTCTCCCTTGACCCGC	Index Primer for human IgE

IgL (Human and Rhesus)												
P7_17_1	IgL	CAAGCAGAAGACGGCATACGAGAT	TAGTGGTT	GGCCTTGTTGGCTTGAAGCTCCTCAGAGGAGC	2nd	PCR	-	Reverse	Primer	Index	Barcode	1
P7_17_2	IgL	CAAGCAGAAGACGGCATACGAGAT	TTAGAGTT	GGCCTTGTTGGCTTGAAGCTCCTCAGAGGAGC	2nd	PCR	-	Reverse	Primer	Index	Barcode	2
P7_17_3	IgL	CAAGCAGAAGACGGCATACGAGAT	AGGGCTATT	GGCCTTGTTGGCTTGAAGCTCCTCAGAGGAGC	2nd	PCR	-	Reverse	Primer	Index	Barcode	3
P7_17_4	IgL	CAAGCAGAAGACGGCATACGAGAT	GACATATT	GGCCTTGTTGGCTTGAAGCTCCTCAGAGGAGC	2nd	PCR	-	Reverse	Primer	Index	Barcode	4
P7_17_5	IgL	CAAGCAGAAGACGGCATACGAGAT	TGACGATT	GGCCTTGTTGGCTTGAAGCTCCTCAGAGGAGC	2nd	PCR	-	Reverse	Primer	Index	Barcode	5
P7_17_6	IgL	CAAGCAGAAGACGGCATACGAGAT	GGCCTGTGT	GGCCTTGTTGGCTTGAAGCTCCTCAGAGGAGC	2nd	PCR	-	Reverse	Primer	Index	Barcode	6
P7_17_7	IgL	CAAGCAGAAGACGGCATACGAGAT	CGCTTGTCT	GGCCTTGTTGGCTTGAAGCTCCTCAGAGGAGC	2nd	PCR	-	Reverse	Primer	Index	Barcode	7
P7_17_8	IgL	CAAGCAGAAGACGGCATACGAGAT	CCAGCGCT	GGCCTTGTTGGCTTGAAGCTCCTCAGAGGAGC	2nd	PCR	-	Reverse	Primer	Index	Barcode	8
P7_17_9	IgL	CAAGCAGAAGACGGCATACGAGAT	AGCGAGCT	GGCCTTGTTGGCTTGAAGCTCCTCAGAGGAGC	2nd	PCR	-	Reverse	Primer	Index	Barcode	9
P7_17_10	IgL	CAAGCAGAAGACGGCATACGAGAT	TCAATGAT	GGCCTTGTTGGCTTGAAGCTCCTCAGAGGAGC	2nd	PCR	-	Reverse	Primer	Index	Barcode	10
P7_17_11	IgL	CAAGCAGAAGACGGCATACGAGAT	CGATCGAA	GGCCTTGTTGGCTTGAAGCTCCTCAGAGGAGC	2nd	PCR	-	Reverse	Primer	Index	Barcode	11
P7_17_12	IgL	CAAGCAGAAGACGGCATACGAGAT	CCACTTGA	GGCCTTGTTGGCTTGAAGCTCCTCAGAGGAGC	2nd	PCR	-	Reverse	Primer	Index	Barcode	12
P7_17_13	IgL	CAAGCAGAAGACGGCATACGAGAT	GGAATGGA	GGCCTTGTTGGCTTGAAGCTCCTCAGAGGAGC	2nd	PCR	-	Reverse	Primer	Index	Barcode	13
P7_17_14	IgL	CAAGCAGAAGACGGCATACGAGAT	GATCACAC	GGCCTTGTTGGCTTGAAGCTCCTCAGAGGAGC	2nd	PCR	-	Reverse	Primer	Index	Barcode	14
P7_17_15	IgL	CAAGCAGAAGACGGCATACGAGAT	GCTAGACC	GGCCTTGTTGGCTTGAAGCTCCTCAGAGGAGC	2nd	PCR	-	Reverse	Primer	Index	Barcode	15
P7_17_16	IgL	CAAGCAGAAGACGGCATACGAGAT	AGCGCGCA	GGCCTTGTTGGCTTGAAGCTCCTCAGAGGAGC	2nd	PCR	-	Reverse	Primer	Index	Barcode	16
P7_17_17	IgL	CAAGCAGAAGACGGCATACGAGAT	AGGCTGTC	GGCCTTGTTGGCTTGAAGCTCCTCAGAGGAGC	2nd	PCR	-	Reverse	Primer	Index	Barcode	17
P7_17_18	IgL	CAAGCAGAAGACGGCATACGAGAT	CGGGAAGA	GGCCTTGTTGGCTTGAAGCTCCTCAGAGGAGC	2nd	PCR	-	Reverse	Primer	Index	Barcode	18
P7_17_19	IgL	CAAGCAGAAGACGGCATACGAGAT	TGCAACCA	GGCCTTGTTGGCTTGAAGCTCCTCAGAGGAGC	2nd	PCR	-	Reverse	Primer	Index	Barcode	19
P7_17_20	IgL	CAAGCAGAAGACGGCATACGAGAT	CCTCTGTG	GGCCTTGTTGGCTTGAAGCTCCTCAGAGGAGC	2nd	PCR	-	Reverse	Primer	Index	Barcode	20

Appendix C: Library Preparation Overview



Appendix D: Illumina Sequencing Overview



Read 1: Cluster registration, barcode F2 and V region

Index Read: Barcode R

Read 2: J region and CDR3