

Phase Genomics Indexed Primers Product Sheet

Phase Genomics Indexed Primer Sequences

In this document you will find information about the format, storage, and use of indexed primers as included in Phase Genomics Hi-C kits.

Product Description	Item Ref #	Format	# of indexed primers	vol included per primer (μL)
Index Plate A1	KP0028	Skirted, sealed plate	48	5
Index Plate A2	KP0029	Skirted, sealed plate	48	5
Index Plate A	KP0030	Skirted, sealed plate	96	5
Index Plate B1	KP0128	Skirted, sealed plate	48	5
Index Plate B2	KP0129	Skirted, sealed plate	48	5
Index Plate B	KP0130	Skirted, sealed plate	96	5
Primer Mix N	KP00 N	Individual screw-cap, 0.5 mL skirted tube	1	5

All Phase Genomics Hi-C kits include unique indexed primers to use in the library preparation step of the protocol. These are custom primers and are not pre-included in Illumina® Local Run Manager (LRM) and will need to be setup as a Custom Library Prep and Index Kit within LRM. See Illumina® instructions for how to set this up [here](#) and you can find a CSV of the Phase Genomics indexes at info.phasegenomics.com/protocols/

Use Instructions

Product Description	Item Ref #	Instructions
Index Plate A1	KP0028	• Thaw plate • Gently spin down using a plate centrifuge or tap gently on the bench top to collect liquid in the bottom of the wells • Confirm orientation of the plate • Gently perforate the well you wish to use with a pipette tip • Transfer selected primer mix to the associated sample tube • Seal plate with new seals or caps (not included) if you wish to save unused primer mixes
Index Plate A2	KP0029	
Index Plate A	KP0030	
Index Plate B1	KP0128	
Index Plate B2	KP0129	
Index Plate B	KP0130	
Primer Mix <i>N</i>	KP00 <i>N</i>	• Thaw tubes • Gently spin down to collect liquid at the bottom of the tubes • Record the Reference code and label of the selected primer mix • Transfer selected primer mix to associated sample tube • Re-cap and save any remaining primer mix if needed

Index Plate A

	1	2	3	4	5	6	7	8	9	10	11	12
A	PGI1	PGI2	PGI3	PGI4	PGI5	PGI6	PGI7	PGI8	PGI9	PGI10	PGI11	PGI12
B	PGI13	PGI14	PGI15	PGI16	PGI17	PGI18	PGI19	PGI20	PGI21	PGI22	PGI23	PGI24
C	PGI25	PGI26	PGI27	PGI28	PGI29	PGI30	PGI31	PGI32	PGI33	PGI34	PGI35	PGI36
D	PGI37	PGI38	PGI39	PGI40	PGI41	PGI42	PGI43	PGI44	PGI45	PGI46	PGI47	PGI48
E	PGI49	PGI50	PGI51	PGI52	PGI53	PGI54	PGI55	PGI56	PGI57	PGI58	PGI59	PGI60
F	PGI61	PGI62	PGI63	PGI64	PGI65	PGI66	PGI67	PGI68	PGI69	PGI70	PGI71	PGI72
G	PGI73	PGI74	PGI75	PGI76	PGI77	PGI78	PGI79	PGI80	PGI81	PGI82	PGI83	PGI84
H	PGI85	PGI86	PGI87	PGI88	PGI89	PGI90	PGI91	PGI92	PGI93	PGI94	PGI95	PGI96

Index Plate A1

	1	2	3	4	5	6	7	8	9	10	11	12
A	PGI1	PGI2	PGI3	PGI4	PGI5	PGI6	PGI7	PGI8	PGI9	PGI10	PGI11	PGI12
B	PGI13	PGI14	PGI15	PGI16	PGI17	PGI18	PGI19	PGI20	PGI21	PGI22	PGI23	PGI24
C	PGI25	PGI26	PGI27	PGI28	PGI29	PGI30	PGI31	PGI32	PGI33	PGI34	PGI35	PGI36
D	PGI37	PGI38	PGI39	PGI40	PGI41	PGI42	PGI43	PGI44	PGI45	PGI46	PGI47	PGI48
E	PGI49	PGI50	PGI51	PGI52	PGI53	PGI54	PGI55	PGI56	PGI57	PGI58	PGI59	PGI60
F	PGI61	PGI62	PGI63	PGI64	PGI65	PGI66	PGI67	PGI68	PGI69	PGI70	PGI71	PGI72
G	PGI73	PGI74	PGI75	PGI76	PGI77	PGI78	PGI79	PGI80	PGI81	PGI82	PGI83	PGI84
H	PGI85	PGI86	PGI87	PGI88	PGI89	PGI90	PGI91	PGI92	PGI93	PGI94	PGI95	PGI96

Index Plate A2

	1	2	3	4	5	6	7	8	9	10	11	12
A	PGI1	PGI2	PGI3	PGI4	PGI5	PGI6	PGI7	PGI8	PGI9	PGI10	PGI11	PGI12
B	PGI13	PGI14	PGI15	PGI16	PGI17	PGI18	PGI19	PGI20	PGI21	PGI22	PGI23	PGI24
C	PGI25	PGI26	PGI27	PGI28	PGI29	PGI30	PGI31	PGI32	PGI33	PGI34	PGI35	PGI36
D	PGI37	PGI38	PGI39	PGI40	PGI41	PGI42	PGI43	PGI44	PGI45	PGI46	PGI47	PGI48
E	PGI49	PGI50	PGI51	PGI52	PGI53	PGI54	PGI55	PGI56	PGI57	PGI58	PGI59	PGI60
F	PGI61	PGI62	PGI63	PGI64	PGI65	PGI66	PGI67	PGI68	PGI69	PGI70	PGI71	PGI72
G	PGI73	PGI74	PGI75	PGI76	PGI77	PGI78	PGI79	PGI80	PGI81	PGI82	PGI83	PGI84
H	PGI85	PGI86	PGI87	PGI88	PGI89	PGI90	PGI91	PGI92	PGI93	PGI94	PGI95	PGI96

Index Plate B

	1	2	3	4	5	6	7	8	9	10	11	12
A	PGI97	PGI98	PGI99	PGI100	PGI101	PGI102	PGI103	PGI104	PGI105	PGI106	PGI107	PGI108
B	PGI109	PGI110	PGI111	PGI112	PGI113	PGI114	PGI115	PGI116	PGI117	PGI118	PGI119	PGI120
C	PGI121	PGI122	PGI123	PGI124	PGI125	PGI126	PGI127	PGI128	PGI129	PGI130	PGI131	PGI132
D	PGI133	PGI134	PGI135	PGI136	PGI137	PGI138	PGI139	PGI140	PGI141	PGI142	PGI143	PGI144
E	PGI145	PGI146	PGI147	PGI148	PGI149	PGI150	PGI151	PGI152	PGI153	PGI154	PGI155	PGI156
F	PGI157	PGI158	PGI159	PGI160	PGI161	PGI162	PGI163	PGI164	PGI165	PGI166	PGI167	PGI168
G	PGI169	PGI170	PGI171	PGI172	PGI173	PGI174	PGI175	PGI176	PGI177	PGI178	PGI179	PGI180
H	PGI181	PGI182	PGI183	PGI184	PGI185	PGI186	PGI187	PGI188	PGI189	PGI190	PGI191	PGI192

Index Plate B1

	1	2	3	4	5	6	7	8	9	10	11	12
A	PGI97	PGI98	PGI99	PGI100	PGI101	PGI102	PGI103	PGI104	PGI105	PGI106	PGI107	PGI108
B	PGI109	PGI110	PGI111	PGI112	PGI113	PGI114	PGI115	PGI116	PGI117	PGI118	PGI119	PGI120
C	PGI121	PGI122	PGI123	PGI124	PGI125	PGI126	PGI127	PGI128	PGI129	PGI130	PGI131	PGI132
D	PGI133	PGI134	PGI135	PGI136	PGI137	PGI138	PGI139	PGI140	PGI141	PGI142	PGI143	PGI144
E	PGI145	PGI146	PGI147	PGI148	PGI149	PGI150	PGI151	PGI152	PGI153	PGI154	PGI155	PGI156
F	PGI157	PGI158	PGI159	PGI160	PGI161	PGI162	PGI163	PGI164	PGI165	PGI166	PGI167	PGI168
G	PGI169	PGI170	PGI171	PGI172	PGI173	PGI174	PGI175	PGI176	PGI177	PGI178	PGI179	PGI180
H	PGI181	PGI182	PGI183	PGI184	PGI185	PGI186	PGI187	PGI188	PGI189	PGI190	PGI191	PGI192

Index Plate B2

	1	2	3	4	5	6	7	8	9	10	11	12
A	PGI97	PGI98	PGI99	PGI100	PGI101	PGI102	PGI103	PGI104	PGI105	PGI106	PGI107	PGI108
B	PGI109	PGI110	PGI111	PGI112	PGI113	PGI114	PGI115	PGI116	PGI117	PGI118	PGI119	PGI120
C	PGI121	PGI122	PGI123	PGI124	PGI125	PGI126	PGI127	PGI128	PGI129	PGI130	PGI131	PGI132
D	PGI133	PGI134	PGI135	PGI136	PGI137	PGI138	PGI139	PGI140	PGI141	PGI142	PGI143	PGI144
E	PGI145	PGI146	PGI147	PGI148	PGI149	PGI150	PGI151	PGI152	PGI153	PGI154	PGI155	PGI156
F	PGI157	PGI158	PGI159	PGI160	PGI161	PGI162	PGI163	PGI164	PGI165	PGI166	PGI167	PGI168
G	PGI169	PGI170	PGI171	PGI172	PGI173	PGI174	PGI175	PGI176	PGI177	PGI178	PGI179	PGI180
H	PGI181	PGI182	PGI183	PGI184	PGI185	PGI186	PGI187	PGI188	PGI189	PGI190	PGI191	PGI192

Phase Genomics Index Sequences Plate Key

Please contact us at support@phasegenomics.com if additional primers or assistance with multiplexed sequencing are needed.

Plate ID	Plate Position	Primer Mix	i7 Equivalent Index	i5 Equivalent Index	i5 Equivalent Index (Reverse Complement)
A	A1	PGI1	TCAATCCG	ACTGCGAA	TTCGCAGT
A	A2	PGI2	CGCTACAT	TAGTCTCG	CGAGACTA
A	A3	PGI3	GATCCACT	TGAGCTGT	ACAGCTCA
A	A4	PGI4	ATCCACGA	AGTATGCC	GGCATACT
A	A5	PGI5	ACGATCAG	TGGTGAAG	CTTCACCA
A	A6	PGI6	GTCCTAAG	TACTGCTC	GAGCAGTA
A	A7	PGI7	CAACTCCA	ACTCCTAC	GTAGGAGT
A	A8	PGI8	AAGCATCG	TACTCCAG	CTGGAGTA
A	A9	PGI9	GAAGACTG	TCACCTAG	CTAGGTGA
A	A10	PGI10	GAACGGTT	GATCTTGC	GCAAGATC
A	A11	PGI11	CTCTATCG	AAGCCTGA	TCAGGCTT
A	A12	PGI12	ATGCCTAG	AGTACACG	CGTGTACT
A	B1	PGI13	CCACATTG	CGACACTT	AAGTGTCG
A	B2	PGI14	ATGTGGAC	CTCACCAA	TTGGTGAG
A	B3	PGI15	TGAGACGA	AACCAGAG	CTCTGGTT
A	B4	PGI16	GGTTGGTA	GCGTATCA	TGATACGC
A	B5	PGI17	CATCAACC	AATGACGC	GCGTCATT
A	B6	PGI18	GCAATTCC	CCACAACA	TGTTGTGG
A	B7	PGI19	ACCTCTTC	GTATTCCG	CGGAATAC
A	B8	PGI20	TTCACGGA	AGGTAGGA	TCCTACCT
A	B9	PGI21	CTGGTCAT	ACGAGAAC	GTTCTCGT
A	B10	PGI22	CCTATTGG	TGACAACC	GGTTGTCA
A	B11	PGI23	AAGACCGT	CTTAGGAC	GTCCTAAG
A	B12	PGI24	GGTGTACA	CCGCTTAA	TTAAGCGG

Phase Genomics Indexed Primers Product Sheet

Plate ID	Plate Position	Primer Mix	i7 Equivalent Index	i5 Equivalent Index	i5 Equivalent Index (Reverse Complement)
A	C1	PGI25	GTGATCCA	GCTCTGTA	TACAGAGC
A	C2	PGI26	GGAACATG	GAACGCTT	AAGCGTTC
A	C3	PGI27	AGAAGCCT	AGGTCACT	AGTGACCT
A	C4	PGI28	ACGCTTCT	CCTATGGT	ACCATAGG
A	C5	PGI29	GCTACTCT	TGTTTCGAG	CTCGAACA
A	C6	PGI30	CTTCGCAA	GTTACGCA	TGCGTAAC
A	C7	PGI31	ATCATGCG	GGACTGTT	AACAGTCC
A	C8	PGI32	TCCGATCA	GGTCTTAG	CTAAGACC
A	C9	PGI33	GGTACTTC	AGCAGATG	CATCTGCT
A	C10	PGI34	GTCTCATC	CAACACCT	AGGTGTTG
A	C11	PGI35	GCTGAATC	AAGAAGGC	GCCTTCTT
A	C12	PGI36	GCAATGAG	GTAGAGCA	TGCTCTAC
A	D1	PGI37	GGTTAGCT	TGTGGTAC	GTACCACA
A	D2	PGI38	TCTGTCGT	ACCAATGC	GCATTGGT
A	D3	PGI39	CTGCCATA	TACCACAG	CTGTGGTA
A	D4	PGI40	CAAGAAGC	GTCGGTAA	TTACCGAC
A	D5	PGI41	ATCGGAGA	ATGGTTGC	GCAACCAT
A	D6	PGI42	AATTCCGG	CACGTTGT	ACAACGTG
A	D7	PGI43	GGTGATGA	CTTAGTGG	CCACTAAG
A	D8	PGI44	CTATCCAC	ACGCCTAA	TTAGGCGT
A	D9	PGI45	TACTAGCG	GTGTGACA	TGTCACAC
A	D10	PGI46	AGAGTCCA	ACTGTGTC	GACACAGT
A	D11	PGI47	GGACTACT	CATACCAC	GTGGTATG
A	D12	PGI48	TATCGCGA	AAGCGCAT	ATGCGCTT
A	E1	PGI49	CTCGGTAA	GTGTTCTT	AGGAACAC
A	E2	PGI50	GCATCCTA	TGCTTCCA	TGGAAGCA
A	E3	PGI51	CCTAACAG	GTAACGAC	GTCGTTAC
A	E4	PGI52	CTAGCTCA	GAAGGTTC	GAACCTTC
A	E5	PGI53	CGGTTGTT	CGGTCATA	TATGACCG
A	E6	PGI54	CCGGAATA	TGTGCGTT	AACGCACA
A	E7	PGI55	TGGCTACA	ACGGAACA	TGTTCCGT
A	E8	PGI56	GGTATAGG	CGTTGAGT	ACTCAACG
A	E9	PGI57	ACACGAGA	CACCTGTT	AACAGGTG
A	E10	PGI58	GACTTGTG	TTGACAGG	CCTGTCAA
A	E11	PGI59	TTCGGCTA	AACGGTCA	TGACCGTT
A	E12	PGI60	TGCAAGAC	TCCTTAGC	GCTAAGGA

Phase Genomics Indexed Primers Product Sheet

Plate ID	Plate Position	Primer Mix	i7 Equivalent Index	i5 Equivalent Index	i5 Equivalent Index (Reverse Complement)
A	F1	PGI61	ACAACAGC	CATTCGGT	ACCGAATG
A	F2	PGI62	AGTCGAAG	ATGCCTGT	ACAGGCAT
A	F3	PGI63	TAAGTGGC	CATGGCTA	TAGCCATG
A	F4	PGI64	GACATCTC	AGCCAAGT	ACTTGGCT
A	F5	PGI65	TTGAGCTC	GCCAGTAT	ATACTGGC
A	F6	PGI66	GCGTTAGA	GCATACAG	CTGTATGC
A	F7	PGI67	ACAGAGGT	CGTTGCAA	TTGCAACG
A	F8	PGI68	AGGCTGAA	ATAAGGCG	CGCCTTAT
A	F9	PGI69	TCCAGCAA	TCAACTGG	CCAGTTGA
A	F10	PGI70	TCGAGAGT	TGCAGGTA	TACCTGCA
A	F11	PGI71	GTACACCT	TCGCTGTT	AACAGCGA
A	F12	PGI72	GTTCTTCG	ACCACGAT	ATCGTGGT
A	G1	PGI73	TCGCTATC	CAATGCGA	TCGCATTG
A	G2	PGI74	CTCGTTCT	GATCAAGG	CCTTGATC
A	G3	PGI75	GAGAGTAC	TTGGAAGT	CAGTCCAA
A	G4	PGI76	GGACAGAT	CGGATCAA	TTGATCCG
A	G5	PGI77	ACCGCTAT	CGGAGTAT	ATACTCCG
A	G6	PGI78	AGAACCAG	TCTAGGAG	CTCCTAGA
A	G7	PGI79	GATACCTG	CATACGGA	TCCGTATG
A	G8	PGI80	CCAACACT	GCATAGTC	GACTATGC
A	G9	PGI81	ATTCCGCT	TCCTGACT	AGTCAGGA
A	G10	PGI82	CGACCTAA	ACAGCAAG	CTTGCTGT
A	G11	PGI83	ACCGGTTA	GAAGATCC	GGATCTTC
A	G12	PGI84	CAGTGCTT	GAACGAAG	CTTCGTTT
A	H1	PGI85	AATGGTCG	GTTATGGC	GCCATAAC
A	H2	PGI86	ACCATGTC	CCTATACC	GGTATAGG
A	H3	PGI87	TGATCACG	CAACGAGT	ACTCGTTG
A	H4	PGI88	TAGTCAGC	GTCCTGTT	AACAGGAC
A	H5	PGI89	CAATAGCC	GTTGCTGT	ACAGCAAC
A	H6	PGI90	CTTCGGTT	GGCAAGTT	AACTTGCC
A	H7	PGI91	CCATGAAC	GGAGTCTT	AAGACTCC
A	H8	PGI92	ATGAGTGC	GGCGAATA	TATTCGCC
A	H9	PGI93	CGGTAATC	CTAACCTG	CAGGTTAG
A	H10	PGI94	ACAGTGAC	CTGAACGT	ACGTTACG
A	H11	PGI95	CAATCAGG	TCCTGGTA	TACCAGGA
A	H12	PGI96	GTAACCGA	CTTCCTTC	GAAGGAAG

Phase Genomics Indexed Primers Product Sheet

Plate ID	Plate Position	Primer Mix	i7 Equivalent Index	i5 Equivalent Index	i5 Equivalent Index (Reverse Complement)
A	A1	PGI97	GAATCCGA	TACACTCA	ATGGTGTA
B	A2	PGI98	TCTGAGAG	TACACCGC	ACCGTGTA
B	A3	PGI99	AGTCGACA	TACACGAT	TCAGTGTA
B	A4	PGI100	TGATGTCC	TACACATC	CATGTGTA
B	A5	PGI101	GATCGTAC	TACACACG	TGGGTGTA
B	A6	PGI102	TCTCTTCC	TACACGTC	CATGTGTA
B	A7	PGI103	AAGTCGAG	TACACCAA	GAGGTGTA
B	A8	PGI104	CTGAAGCT	TACACAAG	TTCGTGTA
B	A9	PGI105	GAGGACTT	TACACGAA	TTCGTGTA
B	A10	PGI106	TCGAGTGA	TACACGAA	CTTGTA
B	A11	PGI107	CAAGCAGT	TACACCTC	TTGGTGTA
B	A12	PGI108	AGTCGCTT	TACACATG	GACGTGTA
B	B1	PGI109	GTTTCGGT	TACACCCA	CGTGTA
B	B2	PGI110	ATTGAGCC	TACACATG	GATGTGTA
B	B3	PGI111	TTCGTTGG	TACACTGA	ATCGTGTA
B	B4	PGI112	CCTGTCAT	TACACGGT	GCGGTGTA
B	B5	PGI113	AGGTTCTGA	TACACCAT	TGAGTGTA
B	B6	PGI114	GGAAGCTA	TACACGCA	TGTGTGTA
B	B7	PGI115	CGACGTTA	TACACACC	ACCGTGTA
B	B8	PGI116	ACTGCTAG	TACACTTC	CCAGTGTA
B	B9	PGI117	ATACGACC	TACACCTG	CGGGTGTA
B	B10	PGI118	CGCTTAAC	TACACCTT	CCGGTGTA
B	B11	PGI119	ATCCAGAG	TACACAAG	TAGGTGTA
B	B12	PGI120	GCAATTCG	TACACGGT	AGGGTGTA
B	C1	PGI121	ACCTAAGG	TACACGTG	TGCGTGTA
B	C2	PGI122	GACTTAGG	TACACGGA	GAGGTGTA
B	C3	PGI123	AACTGAGC	TACACAGA	ATAGTGTA
B	C4	PGI124	GTGCCATA	TACACACG	TCCGTGTA
B	C5	PGI125	CACTGACA	TACACGCT	TCTGTGTA
B	C6	PGI126	CTAGCAAG	TACACCTT	GTAGTGTA
B	C7	PGI127	GCTATCCT	TACACATC	TAGGTGTA
B	C8	PGI128	CATAACGG	TACACTCC	ACCGTGTA
B	C9	PGI129	CGTACGAA	TACACGGT	ATTGTGTA
B	C10	PGI130	GATAGGCT	TACACGTC	GATGTGTA
B	C11	PGI131	AGGAGGAA	TACACGCT	TTGGTGTA
B	C12	PGI132	CCAGTGTT	TACACGCA	CAGGTGTA

Phase Genomics Indexed Primers Product Sheet

Plate ID	Plate Position	Primer Mix	i7 Equivalent Index	i5 Equivalent Index	i5 Equivalent Index (Reverse Complement)
B	D1	PGI133	AGGATGGT	TACACGGT	AGAGTGTA
B	D2	PGI134	CCAAGCAA	TACACTCT	ACCGTGTA
B	D3	PGI135	GGTGTCTT	TACACCTG	TGCGTGTA
B	D4	PGI136	GCAATGGA	TACACCAA	AGCGTGTA
B	D5	PGI137	GTGGTGTT	TACACATC	GACGTGTA
B	D6	PGI138	AGCAAGCA	TACACAAT	ACCGTGTA
B	D7	PGI139	TTGTGTGC	TACACGGT	GGAGTGTA
B	D8	PGI140	ACACGGTT	TACACCTA	GATGTGTA
B	D9	PGI141	TTGTCGGT	TACACTAC	AAGGTGTA
B	D10	PGI142	ATGGAAGG	TACACAGA	AGCGTGTA
B	D11	PGI143	GACGATCT	TACACGGA	CGTGTGTA
B	D12	PGI144	TGGTACAG	TACACTAT	TCTGTGTA
B	E1	PGI145	CTACATCC	TACACCTC	TCCGTGTA
B	E2	PGI146	GCACAAC	TACACGCA	CACGTGTA
B	E3	PGI147	CTAACTCG	TACACCCT	ACCGTGTA
B	E4	PGI148	AATGGACG	TACACCTA	CTTGTGTA
B	E5	PGI149	CGTATTCG	TACACCGG	AGGGTGTA
B	E6	PGI150	TCGTTTCG	TACACCCG	CAGGTGTA
B	E7	PGI151	CAAGTGCA	TACACTGG	GAAGTGTA
B	E8	PGI152	TTCGTACC	TACACGGT	GGTGTGTA
B	E9	PGI153	CGTCAATG	TACACACA	TGCGTGTA
B	E10	PGI154	TAATGCCG	TACACGAC	TACGTGTA
B	E11	PGI155	TCTCTAGG	TACACTTC	TTGGTGTA
B	E12	PGI156	GTCTGATC	TACACTGC	TGTGTGTA
B	F1	PGI157	TCCTGCTA	TACACACA	CCGGTGTA
B	F2	PGI158	CTGTTGAC	TACACAGT	CATGTGTA
B	F3	PGI159	CTGCGTAT	TACACTAA	TGGGTGTA
B	F4	PGI160	CTCTACTC	TACACGAC	AAGGTGTA
B	F5	PGI161	ACATAGGC	TACACTTG	TTGGTGTA
B	F6	PGI162	TGGCTATC	TACACGCG	CTAGTGTA
B	F7	PGI163	AGTGCAGT	TACACACA	TCAGTGTA
B	F8	PGI164	GTAGTCAG	TACACAGG	GGTGTGTA
B	F9	PGI165	ACCATCCA	TACACTCC	ATTGTGTA
B	F10	PGI166	CGTCTTGT	TACACTCG	CTGGTGTA
B	F11	PGI167	TAGAGCTC	TACACGTA	GGTGTGTA
B	F12	PGI168	AAGGCTGA	TACACGTT	TCGGTGTA

Phase Genomics Indexed Primers Product Sheet

Plate ID	Plate Position	Primer Mix	i7 Equivalent Index	i5 Equivalent Index	i5 Equivalent Index (Reverse Complement)
B	G1	PGI169	GTGTCTGA	TACACTCG	AATGTGTA
B	G2	PGI170	TGCGCTTA	TACACCTC	TGGGTGTA
B	G3	PGI171	TACATCGG	TACACGAG	ATCGTGTA
B	G4	PGI172	ACGACTTG	TACACGGA	TCTGTGTA
B	G5	PGI173	CAGGAGAT	TACACACC	GGTGTGTA
B	G6	PGI174	GCTTCGAA	TACACAGA	TCCGTGTA
B	G7	PGI175	GTCAGTTG	TACACGAT	CTCGTGTA
B	G8	PGI176	CCGTATCT	TACACCCA	GAGGTGTA
B	G9	PGI177	AGCGTGTT	TACACATT	CGAGTGTA
B	G10	PGI178	ATGACGTC	TACACCGA	AACGTGTA
B	G11	PGI179	CTATCGCA	TACACACC	TACGTGTA
B	G12	PGI180	CATTGCCT	TACACCAG	CGAGTGTA
B	H1	PGI181	CAGCGATT	TACACAAT	GGAGTGTA
B	H2	PGI182	GAGACGAT	TACACACC	CCTGTGTA
B	H3	PGI183	AGTTCGTC	TACACTGA	TGTGTGTA
B	H4	PGI184	TGCGAACT	TACACTAG	CGCGTGTA
B	H5	PGI185	TGCTCATG	TACACCAA	CAAGTGTA
B	H6	PGI186	ATCGGTGT	TACACCTT	GTCGTGTA
B	H7	PGI187	GGACTAGA	TACACCCA	TTAGTGTA
B	H8	PGI188	TATCGGTC	TACACATG	ACTGTGTA
B	H9	PGI189	GAACACAC	TACACCGG	TGTGTGTA
B	H10	PGI190	GCGTTCTA	TACACACA	GCAGTGTA
B	H11	PGI191	CTCGATAC	TACACCAA	GAAGTGTA
B	H12	PGI192	ATGGCGAA	TACACGTA	GTCGTGTA

Phase Genomics Index Sequences Tube Key

If you purchased any of our 2 reaction kits (KT1050, KT2050, KT3050, or KT6050) or received individual tubes of primers with your kit, use the table below to determine which indexes are associated with your kit's primer mix tubes.

Please contact us at support@phasegenomics.com if additional primers or assistance with multiplexed sequencing are needed.

Historical Index ID	Updated Index ID	i7 Equivalent Index	i5 Equivalent Index	i5 Equivalent Index (Reverse Complement)
A1	A1	TCAAGATC	TGACGTAG	CTACGTCA
B1	B1	GAGCGCCA	AACTCTCC	GGAGAGTT
D1	D1	ACGACAGA	AGTCTGGT	ACCAGACT
E1	E1	TAATGATG	GTATCGAA	TTCGATAC
F1	F1	ACATTACC	AGTACAGG	CCTGTACT
G1	G1	CAGTCGAC	ACTAGCCT	AGGCTAGT
H1	H1	TGTCGTTT	TCCTAGCA	TGCTAGGA
A2	A2	CAAAGTGT	CGAGTTGC	GCAACTCG
B2	B2	GCGCGGTG	ACCCGACC	GGTCGGGT
C2	C2	AGTGTGTG	GAAATTTT	AAAATTTT
A3	PGI1	TCAATCCG	ACTGCGAA	TTCGCAGT
B3	PGI2	CGCTACAT	TAGTCTCG	CGAGACTA
C3	PGI3	GATCCACT	TGAGCTGT	ACAGCTCA
D3	PGI4	ATCCACGA	AGTATGCC	GGCATACT
E3	PGI5	ACGATCAG	TGGTGAAG	CTTCACCA
F3	PGI6	GTCCTAAG	TACTGCTC	GAGCAGTA
G3	PGI7	CAACTCCA	ACTCCTAC	GTAGGAGT
H3	PGI8	AAGCATCG	TACTCCAG	CTGGAGTA
I3	PGI9	GAAGACTG	TCACCTAG	CTAGGTGA
J3	PGI10	GAACGGTT	GATCTTGC	GCAAGATC
K3	PGI11	CTCTATCG	AAGCCTGA	TCAGGCTT
L3	PGI12	ATGCCTAG	AGTACACG	CGTGTACT
A4	PGI13	CCACATTG	CGACACTT	AAGTGTCTG
B4	PGI14	ATGTGGAC	CTCACCAA	TTGGTGAG
C4	PGI15	TGAGACGA	AACCAGAG	CTCTGGTT
D4	PGI16	GGTTGGTA	GCGTATCA	TGATACGC
E4	PGI17	CATCAACC	AATGACGC	GCGTCATT

Phase Genomics Indexed Primers Product Sheet

Historical Index ID	Updated Index ID	i7 Equivalent Index	i5 Equivalent Index	i5 Equivalent Index (Reverse Complement)
F4	PGI18	GCAATTCC	CCACAACA	TGTTGTGG
G4	PGI19	ACCTCTTC	GTATTCCG	CGGAATAC
H4	PGI20	TTCACGGA	AGGTAGGA	TCCTACCT
I4	PGI21	CTGGTCAT	ACGAGAAC	GTTCTCGT
J4	PGI22	CCTATTGG	TGACAACC	GGTTGTCA
K4	PGI23	AAGACCGT	CTTAGGAC	GTCCTAAG
L4	PGI24	GGTGTACA	CCGCTTAA	TTAAGCGG
	PGI25	GTGATCCA	GCTCTGTA	TACAGAGC
	PGI26	GGAACATG	GAACGCTT	AAGCGTTC
	PGI27	AGAAGCCT	AGGTCACT	AGTGACCT
	PGI28	ACGCTTCT	CCTATGGT	ACCATAGG
	PGI29	GCTACTCT	TGTTTCGAG	CTCGAACA
	PGI30	CTTCGCAA	GTTACGCA	TGCGTAAC
	PGI31	ATCATGCG	GGACTGTT	AACAGTCC
	PGI32	TCCGATCA	GGTCTTAG	CTAAGACC
	PGI33	GGTACTTC	AGCAGATG	CATCTGCT
	PGI34	GTCTCATC	CAACACCT	AGGTGTTG
	PGI35	GCTGAATC	AAGAAGGC	GCCTTCTT
	PGI36	GCAATGAG	GTAGAGCA	TGCTCTAC
	PGI37	GGTTAGCT	TGTGGTAC	GTACCACA
	PGI38	TCTGTCGT	ACCAATGC	GCATTGGT
	PGI39	CTGCCATA	TACCACAG	CTGTGGTA
	PGI40	CAAGAAGC	GTCGGTAA	TTACCGAC
	PGI41	ATCGGAGA	ATGGTTGC	GCAACCAT
	PGI42	AATTCCGG	CACGTTGT	ACAACGTG
	PGI43	GGTGATGA	CTTAGTGG	CCACTAAG
	PGI44	CTATCCAC	ACGCCTAA	TTAGGCGT
	PGI45	TACTAGCG	GTGTGACA	TGTCACAC
	PGI46	AGAGTCCA	ACTGTGTC	GACACAGT
	PGI47	GGACTACT	CATACCAC	GTGGTATG
	PGI48	TATCGCGA	AAGCGCAT	ATGCGCTT
	PGI49	CTCGGTAA	GTGTTCTT	AGGAACAC
	PGI50	GCATCCTA	TGCTTCCA	TGGAAGCA
	PGI51	CCTAACAG	GTAACGAC	GTCGTTAC
	PGI52	CTAGCTCA	GAAGGTTC	GAACCTTC

Phase Genomics Indexed Primers Product Sheet

Historical Index ID	Updated Index ID	i7 Equivalent Index	i5 Equivalent Index	i5 Equivalent Index (Reverse Complement)
	PGI53	CGGTTGTT	CGGTCATA	TATGACCG
	PGI54	CCGGAATA	TGTGCGTT	AACGCACA
	PGI55	TGGCTACA	ACGGAACA	TGTTCCGT
	PGI56	GGTATAGG	CGTTGAGT	ACTCAACG
	PGI57	ACACGAGA	CACCTGTT	AACAGGTG
	PGI58	GACTTGTTG	TTGACAGG	CCTGTCAA
	PGI59	TTCGGCTA	AACGGTCA	TGACCGTT
	PGI60	TGCAAGAC	TCCTTAGC	GCTAAGGA
	PGI61	ACAACAGC	CATTCCGT	ACCGAATG
	PGI62	AGTCGAAG	ATGCCTGT	ACAGGCAT
	PGI63	TAAGTGGC	CATGGCTA	TAGCCATG
	PGI64	GACATCTC	AGCCAAGT	ACTTGGCT
	PGI65	TTGAGCTC	GCCAGTAT	ATACTGGC
	PGI66	GCGTTAGA	GCATACAG	CTGTATGC
	PGI67	ACAGAGGT	CGTTGCAA	TTGCAACG
	PGI68	AGGCTGAA	ATAAGGCG	CGCCTTAT
	PGI69	TCCAGCAA	TCAACTGG	CCAGTTGA
	PGI70	TCGAGAGT	TGCAGGTA	TACCTGCA
	PGI71	GTACACCT	TCGCTGTT	AACAGCGA
	PGI72	GTTCTTCG	ACCACGAT	ATCGTGGT
	PGI73	TCGCTATC	CAATGCGA	TCGCATTG
	PGI74	CTCGTTCT	GATCAAGG	CCTTGATC
	PGI75	GAGAGTAC	TTGGACTG	CAGTCCAA
	PGI76	GGACAGAT	CGGATCAA	TTGATCCG
	PGI77	ACCGCTAT	CGGAGTAT	ATACTCCG
	PGI78	AGAACCAG	TCTAGGAG	CTCCTAGA
	PGI79	GATACCTG	CATACGGA	TCCGTATG
	PGI80	CCAACACT	GCATAGTC	GACTATGC
	PGI81	ATTCCGCT	TCCTGACT	AGTCAGGA
	PGI82	CGACCTAA	ACAGCAAG	CTTGCTGT
	PGI83	ACCGGTTA	GAAGATCC	GGATCTTC
	PGI84	CAGTGCTT	GAACGAAG	CTTCGTTT
	PGI85	AATGGTCG	GTTATGGC	GCCATAAC
	PGI86	ACCATGTC	CCTATACC	GGTATAGG
	PGI87	TGATCACG	CAACGAGT	ACTCGTTG

Phase Genomics Indexed Primers Product Sheet

Historical Index ID	Updated Index ID	i7 Equivalent Index	i5 Equivalent Index	i5 Equivalent Index (Reverse Complement)
	PGI88	TAGTCAGC	GTCCTGTT	AACAGGAC
	PGI89	CAATAGCC	GTTGCTGT	ACAGCAAC
	PGI90	CTTCGGTT	GGCAAGTT	AACTTGCC
	PGI91	CCATGAAC	GGAGTCTT	AAGACTCC
	PGI92	ATGAGTGC	GGCGAATA	TATTCGCC
	PGI93	CGGTAATC	CTAACCTG	CAGGTTAG
	PGI94	ACAGTGAC	CTGAACGT	ACG TTCAG
	PGI95	CAATCAGG	TCCTGGTA	TACCAGGA
	PGI96	GTAACCGA	CTTCCTTC	GAAGGAAG