PFC	Hornshark A	Frog A	Coelacanth A	Human A	Bichir A	Zebrafish AA	Striped Bass A	Nile Tilapia A	Medaka AA	Tetraodon AA	Takifugu AA	Zebrafish AB	Medaka AB	Tetraodon AB	Takifugu AB
1					PseA$_{AC}$1	DreAA$_{AC}$1			OlaAA$_{AC}$1		TruAA$_{AC}$1				
2			LmeA$_{AB}$2	HsaA$_{AC}$2	PseA$_{AC}$2										
3		XtrA$_{AC}$3		HsaA$_{AC}$3											
4		XtrA$_{AC}$4		HsaA$_{AC}$4											
5				HsaA$_{AC}$5							TruAA$_{AC}$5				
6				HsaA$_{AC}$6	PseA$_{AC}$6										
7					PseA$_{AC}$7	DreAA$_{AC}$7									
8				HsaA$_{AC}$8							TruAA$_{AC}$8				
9				HsaA$_{AC}$9		DreAA$_{AC}$9									
10				HsaA$_{AC}$10						TniAA$_{AC}$10					
11				HsaA$_{AC}$11		DreAA$_{AC}$11									
12					PseA$_{AC}$12	DreAA$_{AC}$12									
13					PseA$_{AC}$13	DreAA$_{AC}$13									
14				HsaA$_{AC}$14							TruAA$_{AC}$14				
15		XtrA$_{AC}$15		HsaA$_{AC}$15											
16				HsaA$_{AC}$16						TniAA$_{AC}$16					
17					PseA$_{AC}$17					TniAA$_{AC}$17					
18						DreAA$_{AC}$18				TniAA$_{AC}$18					
19					PseA$_{AC}$19	DreAA$_{AC}$19									
20						DreAA$_{AC}$20			OlaAA$_{AC}$20						
21						DreAA$_{AC}$21					TruAA$_{AC}$21				
22				HsaA$_{AC}$22	PseA$_{AC}$22										
23		XtrA$_{AC}$23		HsaA$_{AC}$23											
24	HfrA$_{AC}$24			HsaA$_{AC}$24											
25	HfrA$_{AC}$25			HsaA$_{AC}$25	PseA$_{AC}$25										
26		XtrA$_{AC}$26		HsaA$_{AC}$26											
27		XtrA$_{AC}$27		HsaA$_{AC}$27											
28		XtrA$_{AC}$28		HsaA$_{AC}$28											
29			LmeA$_{AB}$29	HsaA$_{AC}$29											
30	HfrA$_{AC}$30$_{ab}$	XtrA$_{AC}$30$_{ab}$	LmeA$_{BC}$30$_{b}$	HsaA$_{AC}$30$_{bc}$	PseA$_{AC}$30$_{ab}$	DreAA$_{AC}$30$_{b}$		OniA$_{AC}$30$_{ab}$	OlaAA$_{AC}$30$_{ab}$	TniAA$_{AC}$30$_{abc}$	TruAA$_{AC}$30$_{abc}$	DreAB$_{AC}$30$_{abc}$	OlaAB$_{AC}$30$_{bc}$	TniAB$_{AC}$30$_{bc}$	
31	HfrA$_{AC}$31$_{abcdf}$				PseA$_{AC}$31$_{abcdef}$	DreAA$_{AC}$31$_{bdef}$			OlaAA$_{AC}$31$_{acdef}$	TniAA$_{AC}$31$_{acdef}$	TruAA$_{AC}$31$_{abdef}$	DreAB$_{AC}$31$_{ad}$			
32													OlaAB$_{CE}$32	TniAB$_{CE}$32	
33													OlaAB$_{CE}$33	TniAB$_{CE}$33	
34													OlaAB$_{CE}$34	TniAB$_{CE}$34	
35		XtrA$_{CE}$35		HsaA$_{CE}$35											
36				HsaA$_{CE}$36				OniA$_{CE}$36							
37				HsaA$_{CE}$37		DreAA$_{CE}$37									
38			LmeA$_{CE}$38	HsaA$_{CE}$38											
39		XtrA$_{CE}$39		HsaA$_{CE}$39											
40				HsaA$_{CE}$40		DreAA$_{CE}$40									
41						DreAA$_{CE}$41				TniAA$_{CE}$41					
42				HsaA$_{CE}$42				OniA$_{CE}$42							
43	HfrA$_{CE}$43$_{a}$	XtrA$_{CE}$43$_{ab}$		HsaA$_{CE}$43$_{ab}$	PseA$_{CE}$43$_{ab}$										
44					PseA$_{CE}$44							DreAB$_{CE}$44			
45					PseA$_{CE}$45	DreAA$_{CE}$45									
47				HsaA$_{CE}$47					OlaAA$_{CE}$47						
48				HsaA$_{CE}$48							TruAA$_{CE}$48				
49				HsaA$_{CE}$49					OlaAA$_{CE}$49						
50						DreAA$_{CE}$50			OlaAA$_{CE}$50						
51				HsaA$_{CE}$51										TniAB$_{CE}$51	
52	HfrA$_{CE}$52			HsaA$_{CE}$52											
53				HsaA$_{CE}$53							TruAA$_{CE}$53				
54				HsaA$_{CE}$54				OniA$_{CE}$54							
55					PseA$_{CE}$55						TruAA$_{CE}$55				
56					PseA$_{CE}$56							DreAB$_{CE}$56			
57		XtrA$_{CE}$57$_{cd}$	LmeA$_{CE}$57$_{abcd}$	HsaA$_{CE}$57$_{abcd}$	PseA$_{CE}$57$_{abc}$			OniA$_{CE}$57$_{bc}$	OlaAA$_{CE}$57$_{bc}$	TniAA$_{CE}$57$_{bc}$	TruAA$_{CE}$57$_{bc}$				
58												DreAB$_{CE}$58	OlaAB$_{CE}$58		
59				HsaA$_{CE}$59						TniAA$_{CE}$59					
60	HfrA$_{CE}$60$_{ad}$	XtrA$_{CE}$60$_{acde}$	LmeA$_{CE}$60$_{abcde}$	HsaA$_{CE}$60$_{abcde}$	PseA$_{CE}$60$_{abd}$	DreAA$_{CE}$60$_{abc}$		OniA$_{CE}$60$_{abcd}$	OlaAA$_{CE}$60$_{abcd}$	TniAA$_{CE}$60$_{abcd}$	TruAA$_{CE}$60$_{abcd}$	DreAB$_{CE}$60$_{abc}$			
61													OlaAB$_{EF}$61		TruAB$_{EF}$61
62	HfrA$_{EF}$62		LmeA$_{EF}$62	HsaA$_{EF}$62	PseA$_{EF}$62										
63				HsaA$_{EF}$63	PseA$_{EF}$63										
64					PseA$_{EF}$64							DreAB$_{EF}$64			
65					PseA$_{EF}$65$_{bc}$	DreAA$_{EG}$65$_{bc}$		OniA$_{EF}$65$_{bcd}$	OlaAA$_{EF}$65$_{bcd}$	TniAA$_{EF}$65$_{bc}$	TruAA$_{EF}$65$_{bcd}$	DreAB$_{EF}$65$_{abcde}$	OlaAB$_{EF}$65$_{acde}$	TniAB$_{EF}$65$_{acde}$	TruAB$_{EF}$65$_{acde}$
66					PseA$_{EF}$66							DreAB$_{EF}$66	OlaAB$_{EF}$66	TniAB$_{EF}$66	TruAB$_{EF}$66
67					PseA$_{EF}$67					TniAA$_{EF}$67					
68					PseA$_{EF}$68								OlaAB$_{EF}$68		
69			LmeA$_{EF}$69	HsaA$_{EF}$69											
70				HsaA$_{EF}$70		DreAA$_{EG}$70									

PFC	Hornshark A	Frog A	Coelacanth A	Human A	Bichir A	Zebrafish AA	Striped Bass A	Nile Tilapia A	Medaka AA	Tetraodon AA	Takifugu AA	Zebrafish AB	Medaka AB	Tetraodon AB	Takifugu AB
71				$HsaA_{EF}71$							$TruAA_{EF}71$				
72				$HsaA_{EF}72$				$OniA_{EF}72$							
73	$HfrA_{EF}73$			$HsaA_{EF}73$											
74					$PseA_{EF}74$							$DreAB_{EF}74$			
75	$HfrA_{EF}75_{bce}$	$XtrA_{EF}75_{abcde}$	$LmeA_{EF}75_{bcde}$	$HsaA_{EF}75_{bcde}$	$PseA_{EF}75_{acde}$			$OniA_{EF}75_{acde}$	$OlaAA_{EF}75_{acde}$	$TniAA_{EF}75_{cde}$	$TruAA_{EF}75_{acde}$	$DreAB_{EF}75_{abc}$	$OlaAB_{EF}75_{abc}$	$TniAB_{EF}75_{abcd}$	$TruAB_{EF}75_{abcd}$
76					$PseA_{FG}76$		$MsaA_{FG}76$	$OniA_{FG}76$							
77		$XtrA_{FG}77$		$HsaA_{FG}77$											
78	$HfrA_{FG}78_{abc}$	$XtrA_{FG}78_{ac}$	$LmeA_{FG}78_{abc}$	$HsaA_{FG}78_{abc}$	$PseA_{FG}78_{ab}$										
79	$HfrA_{FG}79_{bc}$	$XtrA_{FG}79_{bc}$	$LmeA_{FG}79_{bc}$	$HsaA_{FG}79_{bc}$	$PseA_{FG}79_{bde}$	$DreAA_{EG}79_{ad}$	$MsaA_{FG}79_{bde}$	$OniA_{FG}79_{bde}$	$OlaAA_{FG}79_{abcde}$	$TniAA_{FG}79_{abde}$	$TruAA_{FG}79_{abde}$	$DreAB_{FG}79_{bd}$		$TniAB_{FG}79_{bcd}$	
80					$PseA_{FG}80$										$TruAB_{FG}80$
81												$DreAB_{FG}81_{ab}$	$OlaAB_{FG}81_{b}$	$TniAB_{FG}81_{ab}$	$TruAB_{FG}81_{ab}$
82						$DreAA_{FG}82$				$TniAA_{FG}82$					
83					$PseA_{FG}83$			$OniA_{FG}83$							
84					$PseA_{FG}84$					$TniAA_{FG}84$					
85			$LmeA_{FG}85$	$HsaA_{FG}85$											
86				$HsaA_{FG}86$								$DreAB_{FG}86$	$OlaAB_{FG}86$	$TniAB_{FG}86$	$TruAB_{FG}86$
87													$OlaAB_{FG}87$		$TruAB_{FG}87$
88				$HsaA_{FG}88$				$OniA_{FG}88$							
89				$HsaA_{FG}89$					$OlaAA_{FG}89$						
90				$HsaA_{FG}90$											$TruAB_{FG}90$
91	$HfrA_{FG}91$			$HsaA_{FG}91$											
92	$HfrA_{FG}92_{acdef}$	$XtrA_{FG}92_{abcdef}$	$LmeA_{FG}92_{abcef}$	$HsaA_{FG}92_{abcdef}$	$PseA_{FG}92_{abcdf}$							$DreAB_{FG}92_{ab}$			
93						$DreAA_{EG}93_{ace}$	$MsaA_{FG}93_{abcdef}$	$OniA_{FG}93_{abdef}$	$OlaAA_{FG}93_{abcdef}$	$TniAA_{FG}93_{abcdef}$	$TruAA_{FG}93_{abcdef}$				
94					$PseA_{GI}94$			$OniA_{GK}94$	$OlaAA_{GI}94$						
95						$DreAA_{GK}95$					$TruAA_{GK}95$				
96				$HsaA_{GI}96$				$OniA_{GK}96$							
97	$HfrA_{GI}97$	$XtrA_{GI}97$	$LmeA_{GI}97$	$HsaA_{GI}97$											
98	$HfrA_{GI}98_{b}$			$HsaA_{GI}98_{b}$		$DreAA_{GK}98_{abcde}$	$MsaA_{GI}98_{abcde}$	$OniA_{GK}98_{abcd}$	$OlaAA_{GI}98_{abcd}$	$TniAA_{GK}98_{abcde}$	$TruAA_{GK}98_{bcde}$	$DreAB_{GN}98_{bc}$			
99						$DreAA_{GK}99$					$TruAA_{GK}99$				
100					$PseA_{GI}100$	$DreAA_{GK}100$									
101					$PseA_{GI}101$									$TniAB_{GN}101$	
102					$PseA_{GI}102$							$DreAB_{GN}102$			
103	$HfrA_{GI}103_{ac}$	$XtrA_{GI}103_{acd}$	$LmeA_{GI}103_{ace}$	$HsaA_{GI}103_{acde}$	$PseA_{GI}103_{abcde}$		$MsaA_{GI}103_{bcdef}$	$OniA_{GK}103_{bcdef}$	$OlaAA_{GI}103_{bcdef}$	$TniAA_{GK}103_{bcdef}$	$TruAA_{GK}103_{bcdef}$				
104				$HsaA_{GI}104$									$OlaAB_{GN}104$		
105		$XtrA_{GI}105$		$HsaA_{GI}105$											
106				$HsaA_{GI}106$										$TniAB_{GN}106$	
107				$HsaA_{GI}107$			$MsaA_{GI}107$								
108					$PseA_{GI}108$		$MsaA_{GI}108$								
109					$PseA_{GI}109$										$TruAB_{GN}109$
110		$XtrA_{GI}110$	$LmeA_{GI}110$	$HsaA_{GI}110$											
111	$HfrA_{GI}111_{ab}$	$XtrA_{GI}111_{ab}$	$LmeA_{GI}111_{ab}$	$HsaA_{GI}111_{ab}$			$MsaA_{GI}111_{b}$	$OniA_{GK}111_{b}$	$OlaAA_{GI}111_{b}$	$TniAA_{GK}111_{b}$	$TruAA_{GK}111_{b}$				
112					$PseA_{IJ}112$										$TruAB_{GN}112$
113					$PseA_{IJ}113$					$TniAA_{GK}113$					
114				$HsaA_{IJ}114$		$DreAA_{GK}114$									
115						$DreAA_{GK}115$	$MsaA_{GI}115$								
116						$DreAA_{GK}116$					$TruAA_{GK}116$				
117				$HsaA_{IJ}117$			$MsaA_{IK}117$								
118		$XtrA_{IJ}118$		$HsaA_{IJ}118$											
119	$HfrA_{IJ}119_{abcd}$	$XtrA_{IJ}119_{abcd}$	$LmeA_{IJ}119_{abcd}$	$HsaA_{IJ}119_{abcd}$	$PseA_{IJ}119_{abcd}$	$DreAA_{GK}119_{abd}$	$MsaA_{IK}119_{bcd}$	$OniA_{GK}119_{abc}$	$OlaAA_{IK}119_{abc}$	$TniAA_{GK}119_{abc}$	$TruAA_{GK}119_{abc}$				
120						$DreAA_{GK}120$			$OlaAA_{IK}120$						
121					$PseA_{IJ}121$									$TniAB_{GN}121$	
122		$XtrA_{IJ}122$	$LmeA_{IJ}122$	$HsaA_{IJ}122$											
123				$HsaA_{IJ}123$			$MsaA_{IK}123$								
124	$HfrA_{IJ}124$			$HsaA_{IJ}124$											
125				$HsaA_{IJ}125$							$TruAA_{GK}125$				
126				$HsaA_{IJ}126$					$OlaAA_{IK}126$						
127				$HsaA_{IJ}127$		$DreAA_{GK}127$									
128					$PseA_{IJ}128$		$MsaA_{IK}128$								
129				$HsaA_{IJ}129$						$TniAA_{GK}129$					
130	$HfrA_{IJ}130_{ab}$	$XtrA_{IJ}130_{ab}$	$LmeA_{IJ}130_{ab}$		$PseA_{IJ}130_{a}$										
131					$PseA_{JK}131$										$TruAB_{GN}131$
132	$HfrA_{JK}132_{ac}$	$XtrA_{JK}132_{ac}$	$LmeA_{JK}132_{ac}$	$HsaA_{JK}132_{ac}$	$PseA_{JK}132_{ac}$	$DreAA_{GK}132_{abcd}$	$MsaA_{IK}132_{abcd}$	$OniA_{GK}132_{abcd}$	$OlaAA_{IK}132_{abcd}$	$TniAA_{GK}132_{abcd}$	$TruAA_{GK}132_{abcd}$				
133			$LmeA_{KL}133$	$HsaA_{KL}133$	$PseA_{KL}133$										
134			$LmeA_{KL}134$	$HsaA_{KL}134$	$PseA_{KL}134$										
135					$PseA_{KL}135$							$DreAB_{GN}135$			
136	$HfrA_{KL}136_{abc}$	$XtrA_{KL}136_{abc}$	$LmeA_{KL}136_{abc}$	$HsaA_{KL}136_{ab}$	$PseA_{KL}136_{ac}$	$DreAA_{KL}136_{ac}$	$MsaA_{KL}136_{abc}$	$OniA_{KL}136_{abc}$	$OlaAA_{KL}136_{ab}$	$TniAA_{KL}136_{ab}$	$TruAA_{KL}136_{abc}$				
137			$LmeA_{KL}137$	$HsaA_{KL}137$											
138	$HfrA_{KL}138_{b}$	$XtrA_{KL}138_{abc}$		$HsaA_{KL}138_{abc}$											
139				$HsaA_{KL}139$			$MsaA_{KL}139$								

140	$HfrA_{KL}140_{cde}$	$XtrA_{KL}140_{bcde}$	$LmeA_{KL}140_{bcde}$	$HsaA_{KL}140_{bcde}$	$PseA_{KL}140_{bcde}$	$DreAA_{KL}140_{ade}$	$MsaA_{KL}140_{abcde}$	$OniA_{KL}140_{abcde}$	$OlaAA_{KL}140_{abcde}$	$TniAA_{KL}140_{abcde}$	$TruAA_{KL}140_{abcd}$				
PFC	Hornshark A	Frog A	Coelacanth A	Human A	Bichir A	Zebrafish AA	Striped Bass A	Nile Tilapia A	Medaka AA	Tetraodon AA	Takifugu AA	Zebrafish AB	Medaka AB	Tetraodon AB	Takifugu AB
141												$DreAB_{GN}141$		$TniAB_{GN}141$	
142					$PseA_{KL}142$							$DreAB_{GN}142$			
143	$HfrA_{KL}143_{abc}$	$XtrA_{KL}143_{abc}$	$LmeA_{KL}143_{ab}$	$HsaA_{KL}143_{abc}$	$PseA_{KL}143_{bc}$	$DreAA_{KL}143_{bcd}$	$MsaA_{KL}143_{bcd}$	$OniA_{KL}143_{bcd}$	$OlaAA_{KL}143_{bcd}$	$TniAA_{KL}143_{bcd}$					
144					$PseA_{KL}144$	$DreAA_{KL}144$									
145				$HsaA_{KL}145$				$OniA_{KL}145$							
146				$HsaA_{KL}146$					$OlaAA_{KL}146$						
147	$HfrA_{KL}147$			$HsaA_{KL}147$											
148	$HfrA_{KL}148$			$HsaA_{KL}148$											
149	$HfrA_{KL}149_{abc}$	$XtrA_{KL}149_{abc}$	$LmeA_{KL}149_{abc}$	$HsaA_{KL}149_{abc}$	$PseA_{KL}149_{bc}$	$DreAA_{KL}149_{bde}$	$MsaA_{KL}149_{bcde}$	$OniA_{KL}149_{bcde}$	$OlaAA_{KL}149_{bcde}$	$TniAA_{KL}149_{bcd}$	$TruAA_{KL}149_{bcd}$				
150			$LmeA_{KL}150$	$HsaA_{KL}150$											
151				$HsaA_{KL}151$				$OniA_{KL}151$							
152	$HfrA_{KL}152$			$HsaA_{KL}152$											
153				$HsaA_{KL}153$								$DreAB_{GN}153$			
154				$HsaA_{KL}154$				$OniA_{KL}154$							
155	$HfrA_{KL}155$			$HsaA_{KL}155$											
156			$LmeA_{KL}156$	$HsaA_{KL}156$											
157	$HfrA_{KL}157_{bc}$	$XtrA_{KL}157_{bc}$	$LmeA_{KL}157_{bc}$	$HsaA_{KL}157_{bc}$	$PseA_{KL}157_{abc}$	$DreAA_{KL}157_{abc}$	$MsaA_{KL}157_{abc}$	$OniA_{KL}157_{abc}$	$OlaAA_{KL}157_{abc}$	$TniAA_{KL}157_{abc}$	$TruAA_{KL}157_{abc}$				
158						$DreAA_{LM}158$				$TniAA_{LM}158$					
159					$PseA_{LM}159$							$DreAB_{GN}159$			
160			$LmeA_{LM}160$	$HsaA_{LM}160$											
161	$HfrA_{LM}161$			$HsaA_{LM}161$											
162			$LmeA_{LM}162$	$HsaA_{LM}162$											
163		$XtrA_{LM}163$		$HsaA_{LM}163$											
164				$HsaA_{LM}164$		$DreAA_{LM}164$									
165						$DreAA_{LM}165$			$OlaAA_{LM}165$						
166	$HfrA_{LM}166$			$HsaA_{LM}166$											
167	$HfrA_{LM}167$			$HsaA_{LM}167$											
168	$HfrA_{LM}168$			$HsaA_{LM}168$											
169				$HsaA_{LM}169$		$DreAA_{LM}169$									
170				$HsaA_{LM}170$	$PseA_{LM}170$										
171					$PseA_{LM}171$									$TniAB_{GN}171$	
172					$PseA_{LM}172$			$OniA_{LM}172$	$OlaAA_{LM}172$	$TniAA_{LM}172$	$TruAA_{LM}172$				
173				$HsaA_{LM}173$				$OniA_{LM}173$							
174		$XtrA_{LM}174$		$HsaA_{LM}174$											
175				$HsaA_{LM}175$				$OniA_{LM}175$							
176				$HsaA_{LM}176$	$PseA_{LM}176$										
177	$HfrA_{LM}177$			$HsaA_{LM}177$											
178				$HsaA_{LM}178$		$DreAA_{LM}178$									
179	$HfrA_{LM}179_{abc}$	$XtrA_{LM}179_{ac}$	$LmeA_{LM}179_{abc}$	$HsaA_{LM}179_{abc}$	$PseA_{LM}179_{abc}$			$OniA_{LM}179_{ab}$	$OlaAA_{LM}179_{ab}$	$TniAA_{LM}179_{a}$	$TruAA_{LM}179_{ab}$				
180	$HfrA_{LM}180$				$PseA_{LM}180$										
181	$HfrA_{LM}181_{bcde}$	$XtrA_{LM}181_{bcde}$	$LmeA_{LM}181_{bcde}$	$HsaA_{LM}181_{ce}$	$PseA_{LM}181_{bd}$	$DreAA_{LM}181_{abc}$		$OniA_{LM}181_{abcde}$	$OlaAA_{LM}181_{abcd}$	$TniAA_{LM}181_{abcde}$	$TruAA_{LM}181_{abcde}$				
182				$HsaA_{LM}182$					$OlaAA_{LM}182$						
183						$DreAA_{LM}183$					$TruAA_{LM}183$				
184			$LmeA_{LM}184$	$HsaA_{LM}184$											
185	$HfrA_{LM}185$			$HsaA_{LM}185$											
186				$HsaA_{LM}186$							$TruAA_{LM}186$				
187				$HsaA_{LM}187$							$TruAA_{LM}187$				
188	$HfrA_{LM}188$	$XtrA_{LM}188$	$LmeA_{LM}188$	$HsaA_{LM}188$											
189					$PseA_{LM}189$				$OlaAA_{LM}189$						
190				$HsaA_{LM}190$				$OniA_{LM}190$							
191				$HsaA_{LM}191$				$OniA_{LM}191$							
192				$HsaA_{LM}192$				$OniA_{LM}192$							
193	$HfrA_{LM}193_{cd}$	$XtrA_{LM}193_{cd}$		$HsaA_{LM}193_{cd}$	$PseA_{LM}193_{bcd}$	$DreAA_{LM}193_{ab}$		$OniA_{LM}193_{abcd}$	$OlaAA_{LM}193_{abcd}$	$TniAA_{LM}193_{abd}$	$TruAA_{LM}193_{abd}$				
194	$HfrA_{LM}194_{bde}$	$XtrA_{LM}194_{bcde}$	$LmeA_{LM}194_{bcde}$	$HsaA_{LM}194_{bcde}$	$PseA_{LM}194_{abcde}$	$DreAA_{LM}194_{abcd}$		$OniA_{LM}194_{acd}$	$OlaAA_{LM}194_{acd}$	$TniAA_{LM}194_{abcd}$	$TruAA_{LM}194_{abcd}$				
195					$PseA_{LM}195$							$DreAB_{GN}195$			
196					$PseA_{LM}196$				$OlaAA_{LM}196$						
197						$DreAA_{LM}197$			$OlaAA_{LM}197$						
198	$HfrA_{LM}198_{abc}$	$XtrA_{LM}198_{ac}$	$LmeA_{LM}198_{abc}$	$HsaA_{LM}198_{abc}$	$PseA_{LM}198_{ab}$										
199	$HfrA_{LM}199_{abcd}$	$XtrA_{LM}199_{acd}$	$LmeA_{LM}199_{acd}$	$HsaA_{LM}199_{ac}$	$PseA_{LM}199_{bcd}$	$DreAA_{LM}199_{bcd}$		$OniA_{LM}199_{bcd}$	$OlaAA_{LM}199_{bcd}$	$TniAA_{LM}199_{bcd}$	$TruAA_{LM}199_{bcd}$				
200					$PseA_{MN}200$						$TruAA_{MN}200$				
201	$HfrA_{MN}201$	$XtrA_{MN}201$	$LmeA_{MN}201$	$HsaA_{MN}201$											
202	$HfrA_{MN}202$			$HsaA_{MN}202$											
203				$HsaA_{MN}203$				$OniA_{MN}203$							
204		$XtrA_{MN}204_{abcd}$		$HsaA_{MN}204_{bcd}$	$PseA_{MN}204_{abcd}$			$OniA_{MN}204_{abcd}$	$OlaAA_{MN}204_{abcd}$	$TniAA_{MN}204_{abcd}$	$TruAA_{MN}204_{abcd}$	$DreAB_{GN}204_{bcd}$	$OlaAB_{GN}204_{bc}$	$TniAB_{GN}204_{cd}$	$TruAB_{GN}204_{bcd}$
205					$PseA_{MN}205$							$DreAB_{GN}205$			
206					$PseA_{MN}206$									$TniAB_{GN}206$	
207					$PseA_{MN}207$					$TniAA_{MN}207$					
208				$HsaA_{MN}208$											$TruAB_{GN}208$

209				$HsaA_{MN}209$		$DreAA_{MO}209$									
210	$HfrA_{MN}210_{b}$	$XtrA_{MN}210_{bc}$	$LmeA_{MN}210_{abc}$	$HsaA_{MN}210_{abc}$	$PseA_{MN}210_{ab}$										
PFC	Hornshark A	Frog A	Coelacanth A	Human A	Bichir A	Zebrafish AA	Striped Bass A	Nile Tilapia A	Medaka AA	Tetraodon AA	Takifugu AA	Zebrafish AB	Medaka AB	Tetraodon AB	Takifugu AB
211	$HfrA_{MN}211_{bcdef}$	$XtrA_{MN}211_{bcdef}$	$LmeA_{MN}211_{abcdef}$	$HsaA_{MN}211_{abcdef}$	$PseA_{MN}211_{bcdef}$			$OniA_{MN}211_{abcdef}$	$OlaAA_{MN}211_{abcdef}$	$TniAA_{MN}211_{abcdef}$	$TruAA_{MN}211_{abcdef}$	$DreAB_{GN}211_{bcdef}$	$OlaAB_{GN}211_{c}$	$TniAB_{GN}211_{abce}$	$TruAB_{GN}211_{abce}$
212					$PseA_{NO}212$			$OniA_{NO}212$							
213					$PseA_{NO}213$			$OniA_{NO}213$							
214					$PseA_{NO}214$						$TruAA_{NO}214$				
215	$HfrA_{NO}215$			$HsaA_{NO}215$											
216						$DreAA_{MO}216$		$OniA_{MN}216$	$OlaAA_{MN}216$	$TniAA_{MN}216$	$TruAA_{MN}216$				
217						$DreAA_{MO}217$			$OlaAA_{NO}217$						
218	$HfrA_{NO}218$			$HsaA_{NO}218$											
219	$HfrA_{NO}219$		$Lme_{NO}219$	$HsaA_{NO}219$				$OniA_{NO}219$	$OlaAA_{NO}219$	$TniAA_{NO}219$					
220				$HsaA_{NO}220$					$OlaAA_{NO}220$						
221				$HsaA_{NO}221$				$OniA_{NO}221$							
222					$PseA_{NO}222$			$OniA_{NO}222$	$OlaAA_{NO}222$	$TniAA_{NO}222$	$TruAA_{NO}222$				
223						$DreAA_{MO}223$			$OlaAA_{NO}223$						