

Accessory publication

Allozyme profiles at the 37 variable loci for the 122 *Retropinna* surveyed in the overview study. Individuals are identified by site code plus a unique number (eg 1-1 = fish #1 from site 1). A dash indicates no genotype was assignable and reflects either poor activity or mobility overlap with another locus in this taxon.

Fish #	OTU	Acon1	Acon2	Acyt	Ada	Akl	Argk	Ca	Eno11	Eno12	Est1	Est2	Fdp	Fum	G6pd	Glo	Goi1	Goi2	Gpi1	Gpi2	Gsr	Idh1	Ldh1	Ldh2	Mdh	Me1	Me2	Mpi	PepA1	PepA2	PepB	PepD	6Pgd	Pgk	Pgm	Pk2	Tpi2	Ugpp		
1-1	CEQ	c	b	f	d	b	b	c	d	a	c	a	c	c	a	a	b	c	b	e	b	d	b	b	b	b	d	c	d	e	b	d	c	b	b	b	a	d	c	
1-2	"	c	b	f	d	b	b	c	d	a	c	a	c	c	a	b	bc	eg	bf	e	b	d	b	b	b	b	de	c	d	e	b	bd	c	b	b	b	a	d	c	
1-3	"	c	b	f	d	b	b	c	d	a	c	a	c	c	a	b	b	ce	b	e	b	d	b	b	b	b	d	c	d	e	b	bd	c	b	b	b	a	d	c	
1-4	"	c	b	f	d	b	b	c	d	a	c	a	c	c	a	b	b	ce	b	e	b	d	b	b	b	b	de	c	d	e	b	bd	c	b	b	b	a	d	c	
3-1	"	c	b	f	d	b	b	c	d	a	c	a	c	c	b	a	b	h	b	e	b	d	b	b	b	b	bd	c	d	de	b	d	cd	b	b	b	a	d	c	
3-2	"	c	b	f	d	b	b	c	d	a	c	a	c	c	ab	a	b	h	b	e	b	d	b	b	b	b	d	c	cd	de	b	d	c	b	b	b	a	d	c	
3-3	"	-	b	f	d	b	b	c	d	a	c	a	c	c	b	a	b	gh	b	e	b	d	b	b	b	b	d	c	d	b	d	c	b	b	b	b	a	d	c	
4-1	"	c	b	f	d	b	b	c	d	a	c	a	c	c	a	a	b	ag	b	e	b	d	b	b	b	b	d	c	d	eg	b	d	cd	b	b	b	a	d	bc	
4-2	"	c	b	f	d	b	b	c	d	a	c	a	c	c	ab	a	b	g	b	e	b	d	b	b	b	b	d	c	d	de	b	d	d	b	b	b	a	d	b	
4-3	"	c	b	f	d	b	b	c	d	a	c	a	c	c	ab	a	b	dh	b	be	b	d	b	b	b	b	d	c	d	e	b	d	cd	b	b	b	a	d	c	
2-1	SEQ	-	b	ab	f	b	b	c	c	a	c	a	c	c	a	a	d	c	b	e	a	d	a	b	b	b	f	d	d	de	b	d	c	b	b	b	a	d	c	
2-2	"	-	b	ab	f	b	b	c	c	a	c	a	c	c	a	-	d	c	d	e	a	d	a	b	b	b	f	d	d	-	b	d	-	b	b	b	a	d	-	
2-3	"	-	b	ab	fg	b	b	c	c	a	c	a	c	c	a	a	d	c	d	e	a	d	a	b	b	b	f	d	d	de	b	d	c	b	b	b	a	d	c	
2-4	"	-	b	b	f	b	b	bc	c	a	c	a	c	c	a	a	d	c	d	bf	e	a	a	b	b	b	f	d	d	de	b	d	c	b	b	b	a	d	c	
4-4	"	-	b	ab	df	b	b	c	c	a	c	a	c	c	a	a	bd	c	d	b	e	a	a	b	b	b	f	d	d	de	b	d	c	b	b	b	a	d	bc	
4-5	"	-	b	b	d	b	b	c	cd	a	c	a	c	c	a	a	d	c	d	b	ef	a	d	a	b	b	f	d	d	d	d	ab	d	c	b	b	b	a	d	c
4-6	"	-	b	b	f	b	b	c	c	a	c	a	c	c	a	a	d	c	d	b	e	a	a	b	b	b	f	d	d	d	b	d	c	b	b	b	a	d	c	
5-1	"	-	b	e	d	b	b	c	c	a	c	a	c	c	a	a	b	c	d	b	e	a	a	b	b	b	d	d	d	d	b	d	c	b	e	a	d	c		
5-2	"	-	b	e	d	b	b	c	c	a	c	a	c	c	a	a	b	c	d	ab	e	a	a	b	b	b	d	d	d	d	b	ad	c	b	e	a	d	c		
5-3	"	-	b	e	d	b	b	c	c	a	c	a	c	c	a	a	b	c	d	ab	e	a	a	b	b	b	d	d	d	d	b	d	c	b	e	a	d	c		
5-4	"	-	b	e	d	b	b	c	c	a	c	a	c	c	a	a	b	c	d	a	e	a	a	b	b	b	d	d	d	d	b	d	c	b	e	a	d	c		
6-1	"	-	b	e	d	b	b	c	c	a	c	a	c	c	a	a	b	c	d	a	e	a	a	b	b	b	d	d	d	d	b	d	c	b	e	a	d	c		
6-2	"	-	b	e	d	b	b	c	c	a	c	a	c	c	a	a	b	c	d	b	e	a	a	b	b	b	d	d	d	d	b	d	c	b	b	b	a	d	c	
7-1	"	-	b	e	d	b	b	c	c	a	c	a	c	c	a	a	b	c	d	b	e	a	a	b	b	b	d	d	d	d	b	d	c	b	be	a	d	c		
7-2	"	-	b	e	d	b	b	c	c	a	c	a	c	c	a	a	b	c	d	b	e	a	a	b	b	b	d	d	d	d	b	d	c	b	b	b	a	d	c	

Fish # OTU

	<i>Acon1</i>	<i>Acon2</i>	<i>Acyt</i>	<i>Ada</i>	<i>Akl</i>	<i>Argk</i>	<i>Ca</i>	<i>Eno11</i>	<i>Eno12</i>	<i>Est1</i>	<i>Est2</i>	<i>Fdp</i>	<i>Fum</i>	<i>G6pd</i>	<i>Glo</i>	<i>Got1</i>	<i>Got2</i>	<i>Gp1</i>	<i>Gp12</i>	<i>Gsr</i>	<i>Idh1</i>	<i>Ldh1</i>	<i>Ldh2</i>	<i>Mdh</i>	<i>Me1</i>	<i>Me2</i>	<i>Mpi</i>	<i>PepA1</i>	<i>PepA2</i>	<i>PepB</i>	<i>PepD</i>	<i>6Pgd</i>	<i>Pgk</i>	<i>Pgm</i>	<i>Pk2</i>	<i>Tp12</i>	<i>Ugpp</i>
8-1	"	-	b	e	d	b	c	c	a	c	a	c	a	a	b	c	d	b	e	b	d	a	b	b	b	b	d	d	d	b	c	b	be	a	d	c	
8-2	"	-	b	e	d	b	c	c	a	c	a	c	a	a	b	c	d	b	e	b	d	a	b	b	b	b	d	d	d	b	c	b	b	a	d	c	
9-1	"	-	b	be	d	b	c	c	a	c	a	c	a	a	b	c	d	b	e	a	d	a	b	b	b	b	d	d	d	b	c	b	e	a	d	ac	
9-2	"	-	b	be	d	b	c	c	a	cd	a	c	a	a	b	c	d	b	e	a	d	a	b	b	b	b	d	d	d	b	c	b	e	a	d	ac	
10-1	"	-	b	e	d	b	c	c	a	c	a	c	-	a	b	ce	d	b	e	a	d	a	b	b	b	b	d	d	d	b	c	-	e	a	-	c	
10-2	"	-	b	e	d	b	c	c	a	c	a	c	-	a	b	c	d	b	e	a	d	a	b	b	b	b	d	d	d	b	c	-	e	a	-	c	
11-1	"	-	b	e	d	b	c	c	a	cd	a	c	a	a	b	c	d	bg	ef	a	bd	a	b	ab	d	d	d	d	d	b	c	b	e	a	d	c	
11-2	"	-	b	e	d	b	c	c	a	c	a	c	a	a	b	c	d	bg	ef	a	bd	a	b	b	b	b	d	d	d	b	c	b	e	a	d	c	
11-3	"	-	b	e	d	b	c	c	a	c	a	c	a	a	b	c	d	bg	ef	a	bd	a	b	b	b	b	d	d	d	b	c	b	e	a	d	c	
12-1	"	-	b	be	d	b	c	c	a	c	a	c	a	a	b	c	d	b	e	a	d	a	-	b	b	b	d	d	d	b	c	b	e	a	d	c	
13-1	"	-	b	be	d	b	c	ac	a	c	a	c	a	a	b	c	d	b	e	a	d	a	b	b	b	b	d	d	d	b	c	-	f	a	d	bc	
12-2	SEC	c	b	e	d	a	b	c	a	e	a	c	b	a	b	b	g	e	bc	d	b	b	b	b	b	b	d	d	d	b	c	-	b	a	d	b	
12-3	"	c	bc	be	d	a	b	c	a	e	a	c	b	a	bc	b	g	e	ab	de	d	b	b	b	b	b	d	d	d	b	c	b	a	b	d	b	
12-4	"	c	b	e	d	a	b	c	a	e	a	c	b	a	b	b	g	e	ac	d	d	b	b	b	b	b	d	d	d	b	c	b	a	b	d	b	
13-2	"	c	b	e	d	a	b	bc	c	e	a	c	b	a	b	b	d	e	b	d	d	b	b	b	b	b	d	d	d	b	c	b	a	b	d	b	
13-3	"	c	b	be	d	a	b	bc	c	e	a	c	b	a	b	b	d	e	b	d	d	b	b	b	b	b	d	d	d	b	c	b	a	b	d	b	
13-4	"	c	b	e	d	a	b	c	c	e	a	c	b	a	b	b	d	e	b	d	d	b	b	b	b	b	d	d	d	b	c	b	a	b	d	b	
13-5	"	c	b	e	d	a	b	c	c	e	a	c	b	a	b	b	d	e	b	d	d	b	b	b	b	b	d	d	d	b	c	b	a	b	d	b	
13-6	"	c	b	e	d	a	b	c	c	e	a	c	b	a	b	b	d	e	b	d	d	b	b	b	b	b	d	d	d	b	c	b	a	b	d	b	
14-1	"	c	b	be	d	a	b	c	a	e	a	c	b	a	ab	b	g	c	b	d	d	b	b	ab	e	e	c	c	c	b	b	a	b	d	b		
14-2	"	c	b	be	bd	a	b	c	a	e	a	c	b	a	ab	b	dg	ce	b	d	d	b	b	b	b	b	d	d	d	b	c	b	a	b	d	b	
15-1	"	c	b	ef	d	a	b	c	a	e	a	c	b	a	b	b	d	b	c	d	d	b	b	b	b	b	d	d	d	b	c	b	a	b	d	b	
15-2	"	c	b	f	d	a	b	c	a	e	a	c	b	a	b	b	dg	b	bc	d	d	b	b	b	b	b	d	d	d	b	c	b	a	b	d	b	
16-1	"	a	b	bf	bd	a	b	c	a	be	a	cd	b	a	bc	b	d	e	b	d	d	b	b	b	b	b	d	d	d	b	c	b	a	b	d	b	
16-2	"	ac	b	ef	bd	a	b	c	a	e	a	c	b	a	bc	b	d	e	c	d	d	b	b	b	b	b	d	d	d	b	c	b	a	b	d	b	
17-1	"	c	b	e	f	a	b	c	a	de	a	c	b	a	bc	b	d	e	bc	d	d	b	b	b	b	b	d	d	d	b	c	b	be	b	d	b	
17-2	"	c	b	be	f	a	b	c	a	d	a	c	b	a	c	b	d	e	b	d	d	b	b	b	b	b	d	d	d	b	c	b	b	b	d	b	
18-1	"	c	b	ef	d	a	b	c	a	e	a	c	b	a	b	b	dg	e	c	d	d	b	b	b	b	b	d	d	d	b	c	b	b	b	d	b	
18-2	"	c	b	f	d	a	b	c	a	e	a	c	b	a	bc	b	d	e	c	d	d	b	b	b	b	b	d	d	d	b	c	b	b	b	d	b	
19-1	"	c	b	ef	d	a	b	c	a	be	a	c	b	a	b	b	g	e	c	d	d	b	b	b	b	b	d	d	d	b	c	b	b	b	d	b	
19-2	"	c	b	ef	d	a	b	c	a	be	a	c	b	a	b	b	g	e	cd	d	d	b	b	b	b	b	d	d	d	b	c	b	b	b	d	b	

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Fish #	OTU	Acon1	Acon2	Acyt	Ada	Akl	Argk	Ca	Eno11	Eno12	Est1	Est2	Fdp	Fum	G6pd	Glo	Got1	Got2	Gp11	Gp12	Gsr	Idh1	Idh2	Mdh	Me1	Me2	Mpi	PepA1	PepA2	PepB	PepD	6Pgd	Pgk	Pgm	Pk2	Tp12	Ugpp
20-1	"	c	b	ef	b	a	b	b	c	a	be	a	c	b	a	b	b	g	dg	e	c	d	b	b	b	ab	c	b	d	c	b	b	b	b	d	b	
20-2	"	c	b	ef	b	a	b	b	c	a	e	a	c	b	a	b	b	d	d	e	c	e	d	b	b	bg	c	b	d	c	b	b	b	b	ad	b	
21-1	"	c	b	e	b	a	b	b	c	a	a	a	c	b	a	c	b	bd	e	b	d	d	b	b	e	c	b	d	c	b	b	b	b	d	b		
21-2	"	c	b	e	b	a	b	b	c	a	a	a	c	b	a	c	b	dg	e	b	d	d	b	b	ce	c	b	d	c	b	b	b	b	d	b		
22-1	"	c	b	be	b	a	b	b	c	ab	b	a	d	b	a	c	b	d	d	e	e	d	b	ce	c	b	d	c	b	e	b	e	b	d	ab		
22-2	"	c	b	ef	b	a	b	b	c	a	ab	a	d	b	a	c	b	d	d	e	b	d	b	c	c	a	b	d	c	b	e	b	e	b	d	b	
23-1	"	c	b	e	b	a	b	b	c	ab	ab	a	d	b	a	c	b	d	d	e	b	d	b	cg	a	c	b	d	c	b	e	b	e	b	d	b	
23-2	"	-	ab	e	b	a	b	b	c	b	ab	a	d	b	a	c	b	d	d	e	b	d	b	c	a	c	b	d	c	b	e	b	e	b	d	b	
24-1	"	c	b	e	b	a	b	b	c	a	b	a	d	b	a	c	b	d	d	e	b	d	b	c	ab	c	b	d	c	b	e	b	e	b	d	b	
24-2	"	c	b	e	b	a	b	b	c	a	b	a	d	b	a	c	b	d	d	e	b	d	b	c	c	ab	c	b	d	c	b	e	b	e	b	d	b
25-1	MTV	c	c	f	d	b	b	b	d	a	e	a	c	b	a	bc	b	df	e	b	c	d	b	b	c	a	c	b	d	c	b	e	b	e	b	d	c
25-2	"	c	c	f	d	b	b	b	d	a	e	a	c	b	a	bc	b	d	e	b	c	d	b	b	c	a	c	b	d	c	b	e	b	e	b	d	c
26-1	"	c	c	f	d	b	b	b	d	a	e	a	c	b	a	bc	b	d	e	b	c	d	b	b	c	a	c	b	d	c	b	e	b	e	b	d	c
26-2	"	c	c	f	d	b	b	b	d	a	e	a	c	b	a	bc	b	d	e	b	c	d	b	b	c	a	c	b	d	c	b	e	b	e	b	d	c
27-1	"	c	c	f	d	b	b	b	d	a	e	a	c	b	a	bc	b	df	e	b	c	d	b	b	c	a	c	b	d	c	b	e	b	e	b	d	c
27-2	"	c	c	f	d	b	b	b	d	a	e	a	c	b	a	bc	b	d	e	b	c	d	b	b	c	a	c	b	d	c	b	e	b	e	b	d	c
28-1	"	c	c	f	d	b	b	b	d	a	e	a	c	b	a	bc	b	d	e	b	c	d	b	b	c	a	c	b	d	c	b	e	b	e	b	d	c
28-2	"	c	c	f	d	b	b	b	d	a	e	a	c	b	a	bc	b	df	e	b	c	d	b	b	c	a	c	b	d	c	b	e	b	e	b	d	c
29-1	"	c	c	f	c	b	b	b	d	a	e	a	c	b	a	bc	b	d	e	b	c	d	b	b	c	a	c	b	d	c	b	e	b	e	b	d	c
29-2	"	c	c	f	ce	b	b	b	d	a	e	a	c	b	a	bc	b	d	e	b	c	d	b	b	c	a	c	b	d	c	b	e	b	e	b	d	c
30-1	"	c	c	f	df	b	b	b	d	a	e	a	c	b	a	bc	b	d	e	b	c	d	b	b	c	a	c	b	d	c	b	e	b	e	b	d	c
30-2	"	c	c	f	-	b	b	b	d	a	e	a	c	b	a	bc	b	d	e	b	c	d	b	b	c	a	c	b	d	c	b	e	b	e	b	d	c
31-1	"	c	c	f	d	b	b	b	d	a	e	a	c	b	a	bc	b	f	eh	b	d	d	b	a	b	b	c	b	d	c	b	e	b	e	b	d	c
31-2	"	c	c	f	cd	b	b	b	d	a	e	a	c	b	a	bc	b	f	eh	b	d	d	b	a	b	b	c	b	d	c	b	e	b	e	b	d	c
32-1	"	c	c	f	df	b	b	b	d	a	e	a	c	b	a	bc	b	d	e	b	c	d	b	b	c	a	c	b	d	c	b	e	b	e	b	d	c
32-2	"	c	c	f	d	b	b	b	d	a	e	a	c	b	a	bc	b	d	e	b	c	d	b	b	c	a	c	b	d	c	b	e	b	e	b	d	c
33-1	"	c	c	f	d	b	b	b	d	a	e	a	c	b	a	bc	b	df	eh	b	d	d	b	a	b	a	c	b	d	c	b	e	b	e	b	d	c
33-2	"	c	c	f	d	b	b	b	d	a	e	a	c	b	a	bc	b	d	e	b	c	d	b	b	c	a	c	b	d	c	b	e	b	e	b	d	c
34-1	"	c	c	f	d	b	b	b	d	a	e	a	c	b	a	bc	b	d	e	b	c	d	b	b	c	a	c	b	d	c	b	e	b	e	b	d	c
34-2	"	c	c	f	d	b	b	b	d	a	e	a	c	b	a	bc	b	d	e	b	c	d	b	b	c	a	c	b	d	c	b	e	b	e	b	d	c
35-1	"	d	c	f	d	b	b	b	d	a	e	a	c	b	a	bc	b	d	e	b	c	d	b	b	c	a	c	b	d	c	b	e	b	e	b	d	c

Fish # OTU

	<i>Acon1</i>	<i>Acon2</i>	<i>Acyt</i>	<i>Ada</i>	<i>Akl</i>	<i>Argk</i>	<i>Ca</i>	<i>Eno11</i>	<i>Eno12</i>	<i>Est1</i>	<i>Est2</i>	<i>Fdp</i>	<i>Fum</i>	<i>G6pd</i>	<i>Glo</i>	<i>Got1</i>	<i>Got2</i>	<i>Gp11</i>	<i>Gp12</i>	<i>Gsr</i>	<i>Ldh1</i>	<i>Ldh2</i>	<i>Mdh</i>	<i>Me1</i>	<i>Me2</i>	<i>Mpi</i>	<i>PepA1</i>	<i>PepA2</i>	<i>PepB</i>	<i>PepD</i>	<i>6Pgd</i>	<i>Pgk</i>	<i>Pgm</i>	<i>Pk2</i>	<i>Tp12</i>	<i>Ugpp</i>			
35-2	"	d	c	f	d	b	c	d	a	be	a	c	b	a	c	b	d	e	e	c	b	b	b	b	b	c	b	d	d	c	b	b	b	b	bd	c			
37-1	"	c	f	f	d	b	b	d	a	e	a	c	b	a	b	b	f	e	b	od	b	a	b	b	b	c	b	d	bd	b	b	b	b	b	b	d	bc		
37-2	"	c	f	f	d	ab	b	d	a	e	a	c	bc	a	bc	b	f	e	b	d	b	a	b	b	b	c	b	d	bd	b	bd	b	bd	b	d	c			
38-1	"	c	f	f	d	b	b	d	a	e	a	c	bc	a	bc	b	f	e	b	d	b	a	b	b	b	c	b	d	bd	b	bd	b	bd	b	d	c			
38-2	"	bc	c	f	d	b	b	d	a	e	a	c	bc	a	bc	b	f	e	b	d	b	a	b	b	b	c	b	d	bd	b	bd	b	bd	b	d	c			
39-1	"	c	f	f	d	b	b	d	a	e	a	c	bc	a	bc	b	f	e	b	d	b	a	b	b	b	c	b	d	bd	b	bd	b	bd	b	d	c			
39-2	"	c	f	f	d	b	b	d	a	e	a	c	bc	a	bc	b	f	e	b	d	b	a	b	b	b	c	b	d	bd	b	bd	b	bd	b	d	c			
40-1	"	c	f	f	d	ab	b	d	a	e	a	c	bc	a	bc	b	f	e	b	d	b	a	b	b	b	c	b	d	bd	b	bd	b	bd	b	d	c			
40-2	"	c	f	f	d	ab	b	d	a	e	a	c	bc	a	bc	b	f	e	b	d	b	a	b	b	b	c	b	d	bd	b	bd	b	bd	b	d	c			
41-1	"	c	f	f	d	b	b	d	a	e	ab	c	b	a	b	b	df	h	e	c	d	b	a	b	b	c	b	d	bd	b	bd	b	bd	b	d	c			
41-2	"	c	f	f	d	ab	b	d	a	e	a	c	b	a	b	b	eh	b	b	cd	b	a	b	b	b	bc	b	d	b	ij	b	ij	b	b	d	c			
42-1	"	c	f	f	df	b	c	d	a	e	a	c	b	a	c	b	e	e	c	c	d	b	b	c	ab	c	b	d	bd	b	bd	b	bd	b	b	de	ac		
42-2	"	c	cf	cd	b	b	c	d	a	e	a	c	b	a	c	b	e	e	c	c	d	b	b	c	b	c	b	d	bd	b	bd	b	bc	b	b	d	ac		
45-1	"	c	f	df	b	b	c	d	a	e	a	c	b	a	c	b	d	de	b	c	d	b	b	c	ab	c	b	d	b	b	bc	b	bc	b	b	d	c		
45-2	"	c	bf	ad	b	b	c	d	a	e	a	c	b	ab	c	b	d	e	b	c	d	b	b	c	ab	c	b	d	bd	b	bd	b	bc	b	b	de	c		
46-1	"	c	f	d	b	b	c	d	a	e	a	c	b	a	c	b	d	e	b	c	d	b	b	c	a	c	b	d	d	b	bc	b	bc	b	b	de	c		
46-2	"	c	f	d	b	b	c	d	a	e	a	c	b	a	c	b	d	e	b	c	d	b	b	c	a	c	b	d	bd	b	bc	b	bc	b	b	d	c		
47-1	"	bc	c	f	d	b	bc	d	a	e	a	c	b	a	c	ab	d	e	b	c	d	b	b	c	ab	c	b	d	bc	b	bc	b	bc	b	b	d	c		
47-2	"	c	f	d	b	b	bc	d	a	e	a	c	b	a	c	b	d	e	b	c	d	b	b	c	b	c	b	d	d	b	b	c	b	b	b	d	c		
48-1	"	c	df	d	b	b	c	d	a	e	a	bc	b	a	c	b	d	de	b	c	d	b	b	c	ab	c	b	d	b	b	b	b	b	b	b	d	c		
48-2	"	c	f	d	b	b	c	d	a	e	a	c	b	a	c	b	d	e	b	c	d	b	b	c	b	c	b	d	d	b	b	b	b	b	b	b	d	ac	
49-1	"	c	f	d	b	b	d	d	a	e	a	a	b	a	c	b	d	de	b	c	d	b	b	c	b	c	b	d	d	b	b	b	b	b	b	b	d	ac	
49-2	"	c	f	df	b	b	d	d	a	e	a	a	b	a	c	b	d	de	b	c	d	b	b	c	b	c	b	d	d	b	b	b	b	b	b	b	d	a	
51-1	"	-	c	f	d	b	b	d	a	e	a	c	bc	a	bc	b	d	eh	b	c	d	b	b	b	b	c	b	d	b	df	-	-	b	b	b	d	bc		
51-2	"	c	f	d	b	b	b	d	a	e	a	c	bc	a	bc	b	d	e	b	c	d	b	b	bc	b	c	b	d	b	b	b	b	b	b	b	b	b		
56-1	"	c	f	d	b	b	b	d	a	e	a	c	b	a	c	b	d	e	b	c	d	b	b	bc	b	c	b	d	ab	b	ab	b	b	b	b	b	d	c	
56-2	"	c	f	d	b	b	b	d	a	e	a	c	b	a	c	b	d	e	b	c	d	b	b	bc	b	c	b	d	b	b	b	b	b	b	b	b	b	d	c
58-1	"	c	f	d	b	b	bd	d	a	e	a	c	bc	a	bc	b	d	eh	b	c	d	b	b	ab	b	c	b	d	df	b	b	b	b	b	b	b	b	d	c
58-2	"	c	f	d	b	b	bc	d	a	e	a	c	b	a	bc	b	d	e	b	c	d	b	b	ab	b	c	b	d	b	b	b	b	b	b	b	b	b	d	c
60-1	COO	d	c	g	d	c	c	d	a	e	a	c	b	a	c	b	d	i	b	c	d	b	b	c	a	c	b	d	be	a	b	ab	e	b	b	b	d	b	
60-2	"	de	c	g	d	c	c	d	a	e	a	c	b	a	c	b	d	i	b	c	d	b	b	c	a	c	b	d	be	a	b	be	e	b	b	b	b	b	

