

Article

# Assembly, Characterization, and Phylogenetic Relationships of Mitogenomes of Two Species of Mexican Trout (*Oncorhynchus chrysogaster* and *O. mykiss nelsoni*)

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**Table S1.** Nucleotide composition of the complete mitochondrial genome in Salmonids.

Species	Length	%T(U)	%C	%A	%G	%AT	%GC	Accession ID
<i>Brachymystax lenok</i>	16832	26.7	28.7	28.3	16.3	55.0	45.0	JQ686730
<i>Brachymystax lenok</i>	16832	26.7	28.7	28.3	16.3	55.0	45.0	NC 018341
<i>Brachymystax lenok tsinlingensis</i>	16748	26.7	28.7	28.2	16.4	54.9	45.1	JQ675732
<i>Brachymystax lenok tsinlingensis</i>	16669	26.6	28.7	28.2	16.4	54.8	45.2	JQ686731
<i>Brachymystax lenok tsinlingensis</i>	16669	26.6	28.7	28.2	16.4	54.8	45.2	NC 018342
<i>Brachymystax tsinlingensis</i>	16823	26.7	28.6	28.3	16.3	55.0	45.0	KY124134
<i>Brachymystax tsinlingensis</i>	16823	26.7	28.6	28.3	16.3	55.0	45.0	MK599201
<i>Brachymystax tumensis</i>	16836	26.9	28.5	28.2	16.3	55.1	44.9	KJ730524
<i>Brachymystax tumensis</i>	16836	26.9	28.5	28.2	16.3	55.1	44.9	NC 024674
<i>Brachymystax tumensis</i>	16754	26.9	28.5	28.2	16.4	55.1	44.9	KJ730525
<i>Coregonus artedi</i>	16820	26.1	28.9	26.8	18.1	53.0	47.0	MW856899
<i>Coregonus artedi</i>	16820	26.1	28.9	26.9	18.1	53.0	47.0	MH301055
<i>Coregonus artedi</i>	16917	26.2	28.9	27.0	18.0	53.1	46.9	MH301056
<i>Coregonus artedi</i>	16819	26.1	28.9	26.9	18.1	53.0	47.0	MF621766
<i>Coregonus artedi</i>	16820	26.1	28.9	26.9	18.1	53.0	47.0	MW856900
<i>Coregonus artedi</i>	16820	26.1	28.9	26.9	18.1	53.0	47.0	MF621765
<i>Coregonus artedi</i>	16820	26.1	28.9	26.9	18.1	53.0	47.0	NC 036393
<i>Coregonus autumnalis</i>	16736	25.7	29.4	26.7	18.1	52.4	47.6	KP452507
<i>Coregonus autumnalis</i>	16736	25.7	29.4	26.7	18.1	52.4	47.6	NC 027277
<i>Coregonus baicalensis</i>	16729	25.7	29.4	26.8	18.1	52.5	47.5	MN394786
<i>Coregonus baicalensis</i>	16728	25.7	29.4	26.8	18.1	52.5	47.5	MN394784
<i>Coregonus baicalensis</i>	16728	25.7	29.4	26.8	18.1	52.5	47.5	NC 045226
<i>Coregonus baicalensis</i>	16732	25.7	29.4	26.8	18.1	52.5	47.5	MN394785
<i>Coregonus chadary</i>	16739	25.7	29.4	26.8	18.1	52.5	47.5	KU530206
<i>Coregonus chadary</i>	16739	25.7	29.4	26.8	18.1	52.5	47.5	NC 030175
<i>Coregonus clupeaformis</i>	16736	25.7	29.5	26.7	18.2	52.4	47.6	JQ661482
<i>Coregonus clupeaformis</i>	16735	25.7	29.4	26.7	18.2	52.4	47.6	JQ661487
<i>Coregonus clupeaformis</i>	16735	25.7	29.5	26.7	18.1	52.4	47.6	JQ661483
<i>Coregonus clupeaformis</i>	16734	25.7	29.4	26.7	18.2	52.4	47.6	JQ661484
<i>Coregonus clupeaformis</i>	16736	25.7	29.4	26.7	18.1	52.4	47.6	JQ661485
<i>Coregonus clupeaformis</i>	16734	25.7	29.5	26.7	18.1	52.4	47.6	JQ661486
<i>Coregonus clupeaformis</i>	16736	25.7	29.4	26.7	18.2	52.4	47.6	CM036501
<i>Coregonus clupeaformis</i>	16731	25.7	29.4	26.7	18.2	52.4	47.6	CM031715
<i>Coregonus clupeaformis</i>	16739	25.7	29.4	26.7	18.1	52.4	47.6	MH301057
<i>Coregonus clupeaformis</i>	16736	25.7	29.4	26.7	18.1	52.4	47.6	MH301058
<i>Coregonus clupeaformis</i>	16744	25.7	29.4	26.7	18.1	52.4	47.6	NC 020762
<i>Coregonus clupeaformis</i>	16744	25.7	29.4	26.7	18.1	52.4	47.6	JQ390060
<i>Coregonus hoyi</i>	16820	26.1	28.9	26.9	18.1	53.0	47.0	MW856901
<i>Coregonus hoyi</i>	16820	26.1	28.9	26.8	18.1	53.0	47.0	MW856902
<i>Coregonus hoyi</i>	16820	26.1	28.9	26.9	18.1	53.0	47.0	MW856853

<i>Coregonus hoyi</i>	16820	26.1	28.9	26.9	18.1	53.0	47.0	MT667235
<i>Coregonus hoyi</i>	16820	26.1	28.9	26.9	18.1	53.0	47.0	NC 054288
<i>Coregonus lavaretus</i>	16738	25.7	29.5	26.8	18.1	52.5	47.5	MK913369
<i>Coregonus lavaretus</i>	16736	25.7	29.5	26.8	18.1	52.5	47.5	JQ661384
<i>Coregonus lavaretus</i>	16736	25.7	29.5	26.8	18.1	52.5	47.5	JQ661386
<i>Coregonus lavaretus</i>	16736	25.7	29.5	26.8	18.0	52.5	47.5	JQ661387
<i>Coregonus lavaretus</i>	16736	25.7	29.5	26.8	18.1	52.5	47.5	JQ661389
<i>Coregonus lavaretus</i>	16736	25.7	29.5	26.8	18.0	52.5	47.5	JQ661383
<i>Coregonus lavaretus</i>	16737	25.7	29.5	26.8	18.1	52.5	47.5	JQ661382
<i>Coregonus lavaretus</i>	16737	25.7	29.5	26.8	18.1	52.5	47.5	JQ661388
<i>Coregonus lavaretus</i>	16736	25.7	29.5	26.8	18.1	52.5	47.5	JQ661385
<i>Coregonus lavaretus</i>	16736	25.7	29.4	26.8	18.1	52.5	47.5	JQ661436
<i>Coregonus lavaretus</i>	16736	25.7	29.4	26.8	18.1	52.5	47.5	JQ661437
<i>Coregonus lavaretus</i>	16736	25.7	29.4	26.8	18.1	52.5	47.5	JQ661440
<i>Coregonus lavaretus</i>	16736	25.7	29.4	26.8	18.1	52.5	47.5	JQ661435
<i>Coregonus lavaretus</i>	16737	25.7	29.4	26.8	18.1	52.5	47.5	JQ661441
<i>Coregonus lavaretus</i>	16737	25.7	29.4	26.8	18.0	52.5	47.5	JQ661438
<i>Coregonus lavaretus</i>	16737	25.7	29.5	26.8	18.1	52.5	47.5	JQ661439
<i>Coregonus lavaretus</i>	16736	25.7	29.4	26.8	18.1	52.5	47.5	JQ661426
<i>Coregonus lavaretus</i>	16736	25.7	29.4	26.8	18.1	52.5	47.5	JQ661425
<i>Coregonus lavaretus</i>	16736	25.7	29.4	26.8	18.1	52.5	47.5	JQ661422
<i>Coregonus lavaretus</i>	16736	25.7	29.4	26.8	18.1	52.5	47.5	JQ661419
<i>Coregonus lavaretus</i>	16736	25.7	29.5	26.8	18.1	52.5	47.5	JQ661423
<i>Coregonus lavaretus</i>	16736	25.7	29.4	26.8	18.1	52.5	47.5	JQ661421
<i>Coregonus lavaretus</i>	16737	25.7	29.4	26.8	18.1	52.5	47.5	JQ661424
<i>Coregonus lavaretus</i>	16736	25.7	29.4	26.8	18.1	52.5	47.5	JQ661420
<i>Coregonus lavaretus</i>	16736	25.7	29.4	26.8	18.1	52.5	47.5	JQ661473
<i>Coregonus lavaretus</i>	16736	25.7	29.4	26.8	18.1	52.4	47.6	JQ661469
<i>Coregonus lavaretus</i>	16736	25.7	29.4	26.8	18.1	52.4	47.6	JQ661481
<i>Coregonus lavaretus</i>	16736	25.7	29.5	26.8	18.1	52.4	47.6	JQ661479
<i>Coregonus lavaretus</i>	16736	25.7	29.4	26.8	18.1	52.5	47.5	JQ661476
<i>Coregonus lavaretus</i>	16736	25.7	29.4	26.8	18.1	52.4	47.6	JQ661477
<i>Coregonus lavaretus</i>	16736	25.7	29.4	26.8	18.1	52.5	47.5	JQ661478
<i>Coregonus lavaretus</i>	16736	25.7	29.4	26.8	18.1	52.5	47.5	JQ661480
<i>Coregonus lavaretus</i>	16737	25.7	29.4	26.8	18.1	52.5	47.5	JQ661471
<i>Coregonus lavaretus</i>	16736	25.7	29.4	26.8	18.1	52.4	47.6	JQ661472
<i>Coregonus lavaretus</i>	16736	25.7	29.4	26.8	18.1	52.4	47.6	JQ661464
<i>Coregonus lavaretus</i>	16736	25.7	29.4	26.8	18.1	52.5	47.5	JQ661468
<i>Coregonus lavaretus</i>	16736	25.7	29.4	26.8	18.1	52.5	47.5	JQ661463
<i>Coregonus lavaretus</i>	16736	25.7	29.4	26.8	18.1	52.4	47.6	JQ661475
<i>Coregonus lavaretus</i>	16737	25.7	29.4	26.8	18.1	52.5	47.5	JQ661470
<i>Coregonus lavaretus</i>	16736	25.7	29.4	26.8	18.1	52.5	47.5	JQ661465
<i>Coregonus lavaretus</i>	16736	25.7	29.5	26.8	18.1	52.5	47.5	JQ661474

<i>Coregonus lavaretus</i>	16737	25.7	29.4	26.8	18.1	52.5	47.5	JQ661466
<i>Coregonus lavaretus</i>	16737	25.7	29.4	26.8	18.1	52.5	47.5	JQ661467
<i>Coregonus lavaretus</i>	16736	25.7	29.4	26.8	18.1	52.4	47.6	JQ661462
<i>Coregonus lavaretus</i>	16737	25.7	29.5	26.8	18.0	52.5	47.5	JQ661445
<i>Coregonus lavaretus</i>	16735	25.7	29.4	26.8	18.1	52.5	47.5	JQ661454
<i>Coregonus lavaretus</i>	16736	25.7	29.4	26.8	18.1	52.5	47.5	JQ661453
<i>Coregonus lavaretus</i>	16736	25.7	29.5	26.8	18.1	52.5	47.5	JQ661457
<i>Coregonus lavaretus</i>	16737	25.7	29.4	26.8	18.1	52.5	47.5	JQ661446
<i>Coregonus lavaretus</i>	16735	25.7	29.4	26.8	18.1	52.4	47.6	JQ661456
<i>Coregonus lavaretus</i>	16737	25.7	29.4	26.7	18.1	52.5	47.5	JQ661451
<i>Coregonus lavaretus</i>	16737	25.7	29.4	26.8	18.1	52.5	47.5	JQ661452
<i>Coregonus lavaretus</i>	16736	25.7	29.4	26.8	18.1	52.5	47.5	JQ661444
<i>Coregonus lavaretus</i>	16736	25.7	29.4	26.8	18.1	52.5	47.5	JQ661455
<i>Coregonus lavaretus</i>	16737	25.7	29.4	26.8	18.1	52.5	47.5	JQ661443
<i>Coregonus lavaretus</i>	16737	25.7	29.4	26.7	18.1	52.4	47.6	JQ661449
<i>Coregonus lavaretus</i>	16737	25.7	29.4	26.8	18.1	52.5	47.5	JQ661447
<i>Coregonus lavaretus</i>	16736	25.7	29.4	26.8	18.1	52.5	47.5	JQ661458
<i>Coregonus lavaretus</i>	16736	25.7	29.5	26.8	18.1	52.5	47.5	JQ661393
<i>Coregonus lavaretus</i>	16736	25.7	29.5	26.8	18.0	52.5	47.5	JQ661390
<i>Coregonus lavaretus</i>	16736	25.7	29.5	26.8	18.1	52.4	47.6	JQ661392
<i>Coregonus lavaretus</i>	16737	25.7	29.4	26.8	18.1	52.5	47.5	JQ661431
<i>Coregonus lavaretus</i>	16736	25.7	29.4	26.8	18.0	52.5	47.5	JQ661432
<i>Coregonus lavaretus</i>	16736	25.7	29.4	26.8	18.1	52.5	47.5	JQ661427
<i>Coregonus lavaretus</i>	16736	25.7	29.5	26.8	18.1	52.5	47.5	JQ661442
<i>Coregonus lavaretus</i>	16737	25.7	29.4	26.8	18.1	52.5	47.5	JQ661450
<i>Coregonus lavaretus</i>	16737	25.7	29.4	26.8	18.1	52.5	47.5	JQ661460
<i>Coregonus lavaretus</i>	16737	25.7	29.4	26.8	18.1	52.5	47.5	JQ661461
<i>Coregonus lavaretus</i>	16736	25.7	29.4	26.8	18.1	52.4	47.6	JQ661459
<i>Coregonus lavaretus</i>	16736	25.7	29.4	26.8	18.1	52.5	47.5	JQ661448
<i>Coregonus lavaretus</i>	16737	25.7	29.5	26.8	18.0	52.5	47.5	JQ661394
<i>Coregonus lavaretus</i>	16737	25.7	29.5	26.8	18.0	52.5	47.5	JQ661396
<i>Coregonus lavaretus</i>	16736	25.7	29.5	26.8	18.0	52.5	47.5	JQ661397
<i>Coregonus lavaretus</i>	16736	25.7	29.5	26.8	18.1	52.4	47.6	JQ661395
<i>Coregonus lavaretus</i>	16736	25.7	29.5	26.8	18.1	52.5	47.5	JQ661391
<i>Coregonus lavaretus</i>	16737	25.7	29.4	26.8	18.1	52.5	47.5	JQ661430
<i>Coregonus lavaretus</i>	16736	25.7	29.4	26.8	18.1	52.5	47.5	JQ661434
<i>Coregonus lavaretus</i>	16737	25.7	29.4	26.8	18.1	52.5	47.5	JQ661428
<i>Coregonus lavaretus</i>	16736	25.7	29.4	26.8	18.1	52.5	47.5	JQ661433
<i>Coregonus lavaretus</i>	16736	25.7	29.4	26.8	18.1	52.5	47.5	JQ661429
<i>Coregonus lavaretus</i>	16737	25.7	29.5	26.7	18.1	52.4	47.6	AB034824
<i>Coregonus lavaretus</i>	16737	25.7	29.5	26.7	18.1	52.4	47.6	NC 002646
<i>Coregonus migratorius</i>	16737	25.7	29.4	26.8	18.1	52.5	47.5	MN394787
<i>Coregonus migratorius</i>	16737	25.7	29.4	26.8	18.1	52.5	47.5	NC 045227

<i>Coregonus migratorius</i>	16737	25.7	29.4	26.8	18.1	52.5	47.5	MN394788
<i>Coregonus migratorius</i>	16737	25.7	29.4	26.8	18.1	52.5	47.5	MN394789
<i>Coregonus muksun</i>	16736	25.7	29.5	26.8	18.0	52.5	47.5	KT824877
<i>Coregonus muksun</i>	16736	25.7	29.5	26.8	18.0	52.5	47.5	NC 028593
<i>Coregonus nasus</i>	16739	25.7	29.4	26.8	18.1	52.5	47.5	JQ390058
<i>Coregonus nasus</i>	16739	25.7	29.4	26.8	18.1	52.5	47.5	NC 020760
<i>Coregonus oxyrinchus</i>	16735	25.7	29.5	26.8	18.1	52.5	47.5	JQ661417
<i>Coregonus oxyrinchus</i>	16735	25.7	29.5	26.8	18.1	52.5	47.5	JQ661415
<i>Coregonus oxyrinchus</i>	16736	25.7	29.4	26.8	18.1	52.5	47.5	JQ661412
<i>Coregonus oxyrinchus</i>	16736	25.7	29.4	26.8	18.1	52.5	47.5	JQ661406
<i>Coregonus oxyrinchus</i>	16737	25.7	29.4	26.8	18.1	52.5	47.5	JQ661416
<i>Coregonus oxyrinchus</i>	16737	25.7	29.5	26.8	18.0	52.5	47.5	JQ661401
<i>Coregonus oxyrinchus</i>	16737	25.7	29.5	26.8	18.1	52.5	47.5	JQ661400
<i>Coregonus oxyrinchus</i>	16736	25.7	29.4	26.8	18.1	52.5	47.5	JQ661403
<i>Coregonus oxyrinchus</i>	16737	25.7	29.4	26.8	18.0	52.5	47.5	JQ661405
<i>Coregonus oxyrinchus</i>	16736	25.7	29.4	26.8	18.1	52.5	47.5	JQ661399
<i>Coregonus oxyrinchus</i>	16737	25.7	29.4	26.8	18.0	52.5	47.5	JQ661411
<i>Coregonus oxyrinchus</i>	16736	25.7	29.5	26.8	18.0	52.5	47.5	JQ661404
<i>Coregonus oxyrinchus</i>	16736	25.7	29.5	26.8	18.1	52.5	47.5	JQ661410
<i>Coregonus oxyrinchus</i>	16736	25.7	29.4	26.8	18.1	52.5	47.5	JQ661407
<i>Coregonus oxyrinchus</i>	16737	25.7	29.4	26.8	18.0	52.5	47.5	JQ661418
<i>Coregonus oxyrinchus</i>	16737	25.7	29.4	26.8	18.0	52.5	47.5	NC 020765
<i>Coregonus oxyrinchus</i>	16735	25.7	29.4	26.8	18.1	52.5	47.5	JQ661409
<i>Coregonus oxyrinchus</i>	16735	25.7	29.4	26.8	18.1	52.5	47.5	JQ661408
<i>Coregonus oxyrinchus</i>	16737	25.7	29.4	26.8	18.0	52.5	47.5	JQ661398
<i>Coregonus oxyrinchus</i>	16736	25.7	29.4	26.8	18.1	52.5	47.5	JQ661402
<i>Coregonus oxyrinchus</i>	16737	25.7	29.4	26.8	18.1	52.5	47.5	JQ661414
<i>Coregonus oxyrinchus</i>	16736	25.7	29.4	26.8	18.1	52.5	47.5	JQ661413
<i>Coregonus peled</i>	16736	25.7	29.4	26.8	18.1	52.4	47.6	KM361633
<i>Coregonus peled</i>	16736	25.7	29.4	26.8	18.1	52.4	47.6	NC 025576
<i>Coregonus sp. cluncaformis</i>	16736	25.7	29.5	26.8	18.1	52.4	47.6	KT375339
<i>Coregonus sp. cluncaformis</i>	16736	25.7	29.5	26.8	18.1	52.4	47.6	NC 028198
<i>Coregonus ussuriensis</i>	16737	25.7	29.5	26.8	18.1	52.4	47.6	KM210289
<i>Coregonus ussuriensis</i>	16737	25.7	29.5	26.8	18.1	52.4	47.6	NC 025648
<i>Hucho bleekeri</i>	16997	26.7	28.8	28.0	16.5	54.7	45.3	HM804473
<i>Hucho bleekeri</i>	16837	26.8	28.7	27.9	16.6	54.7	45.3	KF908853
<i>Hucho bleekeri</i>	16997	26.7	28.8	28.0	16.5	54.7	45.3	NC 015995
<i>Hucho hucho</i>	16751	26.6	28.8	27.9	16.7	54.5	45.5	KM588351
<i>Hucho hucho</i>	16751	26.6	28.8	27.9	16.7	54.5	45.5	NC 025589
<i>Hucho taimen</i>	16834	26.7	28.8	28.0	16.6	54.6	45.4	MK258084
<i>Hucho taimen</i>	16834	26.7	28.8	28.0	16.6	54.6	45.4	MK258083
<i>Hucho taimen</i>	16833	26.7	28.7	28.0	16.6	54.7	45.3	MK258082
<i>Hucho taimen</i>	16915	26.7	28.7	28.0	16.6	54.7	45.3	MK258081

<i>Hucho taimen</i>	16915	26.7	28.7	28.0	16.6	54.7	45.3	MK258080	this study
<i>Hucho taimen</i>	16833	26.7	28.8	28.0	16.6	54.6	45.4	KJ711550	
<i>Hucho taimen</i>	16914	26.7	28.7	28.0	16.6	54.7	45.3	KJ711549	
<i>Hucho taimen</i>	16834	26.7	28.7	27.8	16.7	54.6	45.4	MK258079	
<i>Hucho taimen</i>	16834	26.7	28.7	27.8	16.7	54.6	45.4	MK258078	
<i>Hucho taimen</i>	16834	26.7	28.8	27.8	16.7	54.6	45.4	MK258077	
<i>Hucho taimen</i>	16833	26.7	28.8	28.0	16.6	54.6	45.4	HQ897271	
<i>Hucho taimen</i>	16833	26.7	28.8	28.0	16.6	54.6	45.4	NC 016426	
<i>Oncorhynchus chrysogaster</i>	16655	26.2	29.0	27.9	17.0	54.1	45.9	OP902890	
<i>Oncorhynchus clarkii henshawi</i>	16658	26.2	28.9	27.7	17.2	53.9	46.1	AY886762	
<i>Oncorhynchus clarkii henshawi</i>	16658	26.2	28.9	27.7	17.2	53.9	46.1	NC 006897	
<i>Oncorhynchus clarkii stomias</i>	16657	26.2	28.9	27.7	17.2	53.9	46.1	KP013107	
<i>Oncorhynchus clarkii stomias</i>	16657	26.2	29.0	27.7	17.2	53.9	46.1	KP013117	
<i>Oncorhynchus clarkii virginalis</i>	16659	26.2	28.9	27.6	17.3	53.8	46.2	MW300344	
<i>Oncorhynchus clarkii virginalis</i>	16659	26.2	28.9	27.6	17.3	53.8	46.2	MW300343	
<i>Oncorhynchus gilae</i>	16654	26.2	28.9	27.9	17.0	54.1	45.9	MW300334	
<i>Oncorhynchus gilae</i>	16654	26.2	28.9	27.9	17.0	54.1	45.9	NC 056957	
<i>Oncorhynchus gilae</i>	16654	26.2	28.9	27.9	17.0	54.1	45.9	MW300335	
<i>Oncorhynchus gilae</i>	16654	26.2	28.9	27.9	17.0	54.1	45.9	MW300336	
<i>Oncorhynchus gilae apache</i>	16656	26.3	28.9	27.9	16.9	54.2	45.8	MW300342	
<i>Oncorhynchus gorbuscha</i>	16641	27.8	17.1	26.4	28.7	54.2	45.8	CM029873	
<i>Oncorhynchus gorbuscha</i>	16785	26.5	28.6	27.9	17.0	54.4	45.6	EF455489	
<i>Oncorhynchus gorbuscha</i>	16785	26.5	28.6	27.9	17.0	54.4	45.6	NC 010959	
<i>Oncorhynchus keta</i>	16655	26.3	28.7	27.9	17.0	54.2	45.8	AP010773	
<i>Oncorhynchus keta</i>	16655	26.3	28.7	27.9	17.0	54.2	45.8	NC 017838	
<i>Oncorhynchus keta</i>	16654	26.2	29.0	27.8	17.0	54.0	46.0	KY320492	
<i>Oncorhynchus kisutch</i>	16660	25.9	29.1	27.8	17.2	53.8	46.2	CM018699	
<i>Oncorhynchus kisutch</i>	16660	25.9	29.1	27.8	17.2	53.7	46.3	MH003640	
<i>Oncorhynchus kisutch</i>	16660	25.9	29.0	27.8	17.2	53.8	46.2	MF621751	
<i>Oncorhynchus kisutch</i>	16659	25.9	29.0	27.8	17.2	53.8	46.2	EF126369	
<i>Oncorhynchus kisutch</i>	16659	25.9	29.0	27.8	17.2	53.8	46.2	NC 009263	
<i>Oncorhynchus kisutch</i>	16659	25.9	29.0	27.8	17.2	53.8	46.2	MF621749	
<i>Oncorhynchus masou biwa</i>	16652	26.8	28.1	28.6	16.5	55.4	44.6	EF105342	
<i>Oncorhynchus masou biwa</i>	16652	26.8	28.1	28.6	16.5	55.4	44.6	NC 009262	
<i>Oncorhynchus masou formosanus</i>	16652	26.8	28.1	28.6	16.4	55.4	44.6	DQ858456	
<i>Oncorhynchus masou formosanus</i>	16653	26.8	28.1	28.6	16.4	55.4	44.6	KU523579	
<i>Oncorhynchus masou formosanus</i>	16648	26.8	28.1	28.6	16.5	55.4	44.6	KY250421	
<i>Oncorhynchus masou formosanus</i>	16652	26.8	28.1	28.6	16.4	55.4	44.6	NC 008745	
<i>Oncorhynchus masou ishikawae</i>	16652	26.8	28.1	28.6	16.5	55.4	44.6	DQ864464	
<i>Oncorhynchus masou ishikawae</i>	16652	26.8	28.1	28.6	16.5	55.4	44.6	NC 008746	
<i>Oncorhynchus masou masou</i>	16704	26.8	28.4	28.2	16.5	55.1	44.9	KY320493	
<i>Oncorhynchus masou masou</i>	16652	26.8	28.1	28.6	16.5	55.4	44.6	DQ864465	
<i>Oncorhynchus masou masou</i>	16652	26.8	28.1	28.6	16.5	55.4	44.6	NC 008747	

<i>Oncorhynchus mykiss</i>	16656	26.2	29.0	27.9	16.9	54.1	45.9	DQ288268	
<i>Oncorhynchus mykiss</i>	16642	26.2	28.9	27.9	17.0	54.0	46.0	NC 001717	
<i>Oncorhynchus mykiss</i>	16660	26.2	28.9	27.9	17.0	54.0	46.0	MF621750	
<i>Oncorhynchus mykiss</i>	16642	26.2	28.9	27.9	17.0	54.0	46.0	L29771	
<i>Oncorhynchus mykiss</i>	16656	26.1	29.0	27.9	17.0	54.1	45.9	DQ288269	
<i>Oncorhynchus mykiss</i>	16656	26.2	29.0	27.9	17.0	54.1	45.9	DQ288270	
<i>Oncorhynchus mykiss</i>	16656	26.2	28.9	27.9	16.9	54.1	45.9	DQ288271	
<i>Oncorhynchus mykiss</i>	16656	26.2	28.9	27.8	17.0	54.1	45.9	KP085590	
<i>Oncorhynchus mykiss</i>	16658	26.2	28.9	27.9	17.0	54.1	45.9	MT410879	
<i>Oncorhynchus mykiss</i>	12834	27.3	30.2	26.6	15.9	53.9	46.1	MN115761	
<i>Oncorhynchus mykiss</i>	16655	26.1	29.0	27.9	17.0	54.0	46.0	KP013084	
<i>Oncorhynchus mykiss</i>	16659	26.2	28.9	27.9	17.0	54.0	46.0	MT667254	
<i>Oncorhynchus mykiss nelsoni</i>	16661	26.1	29.0	27.9	17.0	54.1	45.9	OP902891	this study
<i>Oncorhynchus mykiss x Salmo salar</i>	16658	26.2	28.9	27.9	17.0	54.1	45.9	KP218514	
<i>Oncorhynchus mykiss x Salmo salar</i>	16658	26.2	28.9	27.9	17.0	54.1	45.9	NC 026537	
<i>Oncorhynchus nerka</i>	16659	26.2	28.9	27.6	17.3	53.8	46.2	MG993162	
<i>Oncorhynchus nerka</i>	16659	26.2	28.9	27.6	17.3	53.8	46.2	MH003639	
<i>Oncorhynchus nerka</i>	16659	26.2	28.9	27.6	17.3	53.8	46.2	MH003641	
<i>Oncorhynchus nerka</i>	16658	26.2	28.9	27.6	17.3	53.8	46.2	EF055889	
<i>Oncorhynchus nerka</i>	16658	26.2	28.9	27.6	17.3	53.8	46.2	NC 008615	
<i>Oncorhynchus tshawytscha</i>	16643	26.2	28.9	28.2	16.8	54.3	45.7	AF392054	
<i>Oncorhynchus tshawytscha</i>	16643	26.2	28.9	28.2	16.8	54.3	45.7	NC 002980	
<i>Parahucho perryi</i>	16652	26.2	28.8	28.5	16.5	54.7	45.3	KJ816316	
<i>Parahucho perryi</i>	16653	26.2	28.7	28.5	16.5	54.7	45.3	KJ816315	
<i>Parahucho perryi</i>	16651	26.2	28.7	28.5	16.6	54.7	45.3	KC897653	
<i>Parahucho perryi</i>	16651	26.2	28.7	28.5	16.6	54.7	45.3	NC 021651	
<i>Prosopium cylindraceum</i>	16832	26.4	28.2	27.4	17.9	53.9	46.1	MF621767	
<i>Prosopium cylindraceum</i>	16832	26.4	28.2	27.4	17.9	53.8	46.2	MF621768	
<i>Prosopium cylindraceum</i>	16526	26.3	28.4	27.3	18.1	53.6	46.4	JQ390062	
<i>Prosopium cylindraceum</i>	16526	26.3	28.4	27.3	18.1	53.6	46.4	NC 020764	
<i>Prosopium cylindraceum</i>	16752	26.4	28.2	27.4	17.9	53.8	46.2	MF621764	
<i>Prosopium cylindraceum</i>	16672	26.4	28.3	27.3	18.0	53.7	46.3	MF621759	
<i>Prosopium williamsoni</i>	16754	26.4	28.5	26.7	18.5	53.0	47.0	JQ390061	
<i>Prosopium williamsoni</i>	16754	26.4	28.5	26.7	18.5	53.0	47.0	NC 020763	
<i>Salmo caspius</i>	16677	26.0	29.5	27.9	16.7	53.9	46.1	MT789707	
<i>Salmo caspius</i>	16677	26.0	29.5	27.9	16.7	53.9	46.1	MT789708	
<i>Salmo caspius</i>	16677	26.0	29.5	27.9	16.7	53.9	46.1	NC 058188	
<i>Salmo ischchan</i>	16677	26.0	29.5	27.9	16.7	53.9	46.1	MG551590	
<i>Salmo ischchan</i>	16677	26.0	29.5	27.9	16.7	53.9	46.1	MG599465	
<i>Salmo ischchan</i>	16677	26.0	29.5	27.9	16.7	53.9	46.1	NC 037399	
<i>Salmo ischchan</i>	16677	26.0	29.5	27.9	16.7	53.9	46.1	MG940849	
<i>Salmo ischchan</i>	16677	26.0	29.4	27.9	16.7	53.9	46.1	MG940850	
<i>Salmo ischchan</i>	16676	26.0	29.4	27.9	16.7	53.9	46.1	MG551591	

<i>Salmo ischchan</i>	16675	26.0	29.5	27.9	16.7	53.9	46.1	MG599466
<i>Salmo ischchan gegarkuni</i>	16617	26.0	29.4	27.9	16.7	53.9	46.1	MG551588
<i>Salmo ischchan gegarkuni</i>	16677	26.0	29.4	27.9	16.7	53.9	46.1	MT789703
<i>Salmo ischchan gegarkuni</i>	16677	26.0	29.5	27.9	16.7	53.9	46.1	MT789704
<i>Salmo ischchan gegarkuni</i>	16677	26.0	29.4	27.9	16.7	53.9	46.1	MG551589
<i>Salmo ischchan gegarkuni</i>	16677	26.0	29.5	27.9	16.7	53.9	46.1	MG940853
<i>Salmo obtusirostris</i>	16676	26.0	29.4	28.0	16.5	54.0	46.0	NC 037939
<i>Salmo salar</i>	16669	26.3	29.0	28.4	16.2	54.7	45.3	AF133701
<i>Salmo salar</i>	16674	26.3	29.0	28.5	16.2	54.8	45.2	JQ390055
<i>Salmo salar</i>	16671	26.3	29.0	28.5	16.2	54.8	45.2	JQ390056
<i>Salmo salar</i>	16671	26.3	29.0	28.4	16.2	54.7	45.3	KF792729
<i>Salmo salar</i>	16665	26.3	29.0	28.4	16.2	54.8	45.2	NC 001960
<i>Salmo salar</i>	16665	26.3	29.0	28.4	16.2	54.8	45.2	U12143
<i>Salmo trutta</i>	13870	27.1	30.2	27.3	15.4	54.3	45.7	MN115769
<i>Salmo trutta</i>	16677	25.9	29.5	28.1	16.4	54.0	46.0	OD909581
<i>Salmo trutta</i>	16677	26.0	29.4	28.1	16.5	54.1	45.9	JQ390057
<i>Salmo trutta</i>	16677	26.0	29.4	28.1	16.5	54.1	45.9	NC 024032
<i>Salmo trutta</i>	16676	26.0	29.5	28.1	16.4	54.1	45.9	MF621760
<i>Salmo trutta</i>	16676	26.0	29.5	28.1	16.4	54.1	45.9	MF621761
<i>Salmo trutta</i>	16676	25.9	29.5	28.1	16.5	54.0	46.0	MF621762
<i>Salmo trutta</i>	16676	26.0	29.5	28.1	16.4	54.1	45.9	MF621763
<i>Salmo trutta fario</i>	16677	26.0	29.5	27.9	16.7	53.9	46.1	MT789706
<i>Salmo trutta fario</i>	16677	26.0	29.5	28.1	16.4	54.1	45.9	KT633607
<i>Salmo trutta fario</i>	16687	27.9	16.6	26.0	29.5	53.9	46.1	KP171723
<i>Salmo trutta fario</i>	16684	25.9	29.5	28.1	16.5	54.0	46.0	KT634053
<i>Salmo trutta fario</i>	16677	25.9	29.5	27.9	16.6	53.9	46.1	MT789705
<i>Salmo trutta trutta</i>	16677	26.0	29.5	28.1	16.5	54.0	46.0	NC 010007
<i>Salvelinus albus</i>	16653	26.5	28.6	28.0	17.0	54.5	45.5	NC 028018
<i>Salvelinus albus</i>	16653	26.5	28.6	28.0	17.0	54.5	45.5	KT266871
<i>Salvelinus albus</i>	16653	26.5	28.6	28.0	17.0	54.5	45.5	KT266870
<i>Salvelinus alpinus</i>	16655	26.5	28.6	28.0	17.0	54.5	45.5	MT880638
<i>Salvelinus alpinus</i>	16655	26.5	28.6	28.0	17.0	54.5	45.5	MT880631
<i>Salvelinus alpinus</i>	16656	26.5	28.6	28.0	17.0	54.4	45.6	MT880632
<i>Salvelinus alpinus</i>	16657	26.5	28.6	28.0	17.0	54.5	45.5	MT880633
<i>Salvelinus alpinus</i>	16652	26.4	28.6	28.0	17.0	54.4	45.6	MT880635
<i>Salvelinus alpinus</i>	16655	26.5	28.6	28.0	17.0	54.5	45.5	MT880720
<i>Salvelinus alpinus</i>	16655	26.5	28.6	28.0	17.0	54.5	45.5	MT880721
<i>Salvelinus alpinus</i>	16653	26.4	28.6	28.0	17.0	54.4	45.6	MT880650
<i>Salvelinus alpinus</i>	16653	26.4	28.6	28.0	17.0	54.4	45.6	MT880652
<i>Salvelinus alpinus</i>	16652	26.4	28.6	28.0	17.0	54.4	45.6	MT880654
<i>Salvelinus alpinus</i>	16653	26.4	28.6	28.0	17.0	54.4	45.6	MT880655
<i>Salvelinus alpinus</i>	16652	26.4	28.6	28.0	17.0	54.4	45.6	MT880656
<i>Salvelinus alpinus</i>	16653	26.4	28.6	28.0	17.0	54.4	45.6	MT880657



<i>Salvelinus alpinus</i>	16653	26.4	28.6	28.0	17.0	54.4	45.6	MT880658
<i>Salvelinus alpinus</i>	16655	26.4	28.6	28.0	17.0	54.4	45.6	MT880662
<i>Salvelinus alpinus</i>	16655	26.4	28.6	28.0	17.0	54.4	45.6	MT880660
<i>Salvelinus alpinus</i>	16655	26.4	28.6	28.0	17.0	54.4	45.6	MT880661
<i>Salvelinus alpinus</i>	16652	26.4	28.6	28.0	17.0	54.3	45.7	MT880648
<i>Salvelinus alpinus</i>	16652	26.4	28.6	28.0	17.0	54.4	45.6	MT880649
<i>Salvelinus alpinus</i>	16652	26.4	28.6	28.0	17.0	54.3	45.7	MT880641
<i>Salvelinus alpinus</i>	16652	26.4	28.6	28.0	17.0	54.4	45.6	MT880642
<i>Salvelinus alpinus</i>	16652	26.4	28.6	28.0	17.0	54.4	45.6	MT880643
<i>Salvelinus alpinus</i>	16652	26.4	28.6	28.0	17.0	54.4	45.6	MT880644
<i>Salvelinus alpinus</i>	16652	26.4	28.6	28.0	17.0	54.3	45.7	MT880645
<i>Salvelinus alpinus</i>	16652	26.4	28.6	28.0	17.0	54.3	45.7	MT880646
<i>Salvelinus alpinus</i>	16652	26.4	28.6	28.0	17.0	54.4	45.6	MT880669
<i>Salvelinus alpinus</i>	16652	26.4	28.6	28.0	17.0	54.4	45.6	MT880675
<i>Salvelinus alpinus</i>	16652	26.4	28.6	28.0	17.0	54.4	45.6	MT880676
<i>Salvelinus alpinus</i>	16652	26.4	28.6	28.0	17.0	54.4	45.6	MT880673
<i>Salvelinus alpinus</i>	16652	26.4	28.6	28.0	17.0	54.4	45.6	MT880674
<i>Salvelinus alpinus</i>	16652	26.4	28.6	28.0	17.0	54.4	45.6	MT880689
<i>Salvelinus alpinus</i>	16652	26.4	28.6	28.0	17.0	54.4	45.6	MT880690
<i>Salvelinus alpinus</i>	16655	26.4	28.6	28.0	17.0	54.5	45.5	MT880691
<i>Salvelinus alpinus</i>	16652	26.4	28.6	28.0	17.0	54.4	45.6	MT880692
<i>Salvelinus alpinus</i>	16655	26.4	28.6	28.0	17.0	54.4	45.6	MT880710
<i>Salvelinus alpinus</i>	16655	26.4	28.6	28.0	16.9	54.5	45.5	MT880711
<i>Salvelinus alpinus</i>	16655	26.4	28.6	28.0	17.0	54.4	45.6	MT880714
<i>Salvelinus alpinus</i>	16655	26.4	28.6	28.0	16.9	54.5	45.5	MT880708
<i>Salvelinus alpinus</i>	16652	26.4	28.6	28.0	17.0	54.4	45.6	MT880679
<i>Salvelinus alpinus</i>	16652	26.4	28.6	28.0	17.0	54.4	45.6	MT880688
<i>Salvelinus alpinus</i>	16655	26.4	28.6	28.0	17.0	54.4	45.6	MT880680
<i>Salvelinus alpinus</i>	16652	26.4	28.6	28.0	17.0	54.4	45.6	MT880683
<i>Salvelinus alpinus</i>	16656	26.5	28.6	28.0	17.0	54.5	45.5	MT880685
<i>Salvelinus alpinus</i>	16652	26.4	28.6	28.0	17.0	54.4	45.6	MT880699
<i>Salvelinus alpinus</i>	16652	26.4	28.6	28.0	17.0	54.4	45.6	MT880700
<i>Salvelinus alpinus</i>	16652	26.4	28.6	28.0	17.0	54.4	45.6	MT880702
<i>Salvelinus alpinus</i>	16652	26.4	28.6	28.0	17.0	54.4	45.6	MT880703
<i>Salvelinus alpinus</i>	16652	26.4	28.6	28.0	17.0	54.4	45.6	MT880705
<i>Salvelinus alpinus</i>	16659	26.5	28.5	28.1	16.9	54.5	45.5	NC 000861
<i>Salvelinus alpinus</i>	16650	26.4	28.6	28.0	17.0	54.4	45.6	MF621740
<i>Salvelinus alpinus</i>	16655	26.5	28.6	28.0	17.0	54.4	45.6	MT880636
<i>Salvelinus alpinus</i>	16652	26.4	28.6	28.0	17.0	54.4	45.6	MT880637
<i>Salvelinus alpinus</i>	16652	26.4	28.6	28.0	17.0	54.3	45.7	MT880639
<i>Salvelinus alpinus</i>	16656	26.5	28.6	28.0	17.0	54.4	45.6	MT880634
<i>Salvelinus alpinus</i>	16655	26.4	28.6	28.0	17.0	54.5	45.5	MT880716
<i>Salvelinus alpinus</i>	16655	26.5	28.6	28.0	17.0	54.5	45.5	MT880717

<i>Salvelinus alpinus</i>	16655	26.5	28.6	28.0	17.0	54.5	45.5	MT880718
<i>Salvelinus alpinus</i>	16655	26.5	28.6	28.0	17.0	54.5	45.5	MT880719
<i>Salvelinus alpinus</i>	16655	26.4	28.6	28.0	17.0	54.5	45.5	MT880722
<i>Salvelinus alpinus</i>	16655	26.4	28.6	28.0	17.0	54.5	45.5	MT880723
<i>Salvelinus alpinus</i>	16655	26.4	28.6	28.0	17.0	54.5	45.5	MT880724
<i>Salvelinus alpinus</i>	16655	26.5	28.6	28.0	17.0	54.5	45.5	MT880659
<i>Salvelinus alpinus</i>	16655	26.5	28.6	28.0	17.0	54.5	45.5	MT880651
<i>Salvelinus alpinus</i>	16653	26.4	28.6	28.0	17.0	54.4	45.6	MT880653
<i>Salvelinus alpinus</i>	16655	26.4	28.6	28.0	17.0	54.4	45.6	MT880663
<i>Salvelinus alpinus</i>	16655	26.4	28.6	28.0	17.0	54.4	45.6	MT880664
<i>Salvelinus alpinus</i>	16655	26.4	28.6	28.0	17.0	54.4	45.6	MT880665
<i>Salvelinus alpinus</i>	16655	26.4	28.6	28.0	17.0	54.5	45.5	MT880666
<i>Salvelinus alpinus</i>	16655	26.4	28.6	28.0	17.0	54.4	45.6	MT880667
<i>Salvelinus alpinus</i>	16655	26.4	28.6	28.0	17.0	54.4	45.6	MT880668
<i>Salvelinus alpinus</i>	16652	26.4	28.6	28.0	17.0	54.4	45.6	MT880640
<i>Salvelinus alpinus</i>	16652	26.4	28.6	28.0	17.0	54.4	45.6	MT880647
<i>Salvelinus alpinus</i>	16652	26.4	28.6	28.0	17.0	54.4	45.6	MT880677
<i>Salvelinus alpinus</i>	16652	26.4	28.6	28.0	17.0	54.4	45.6	MT880678
<i>Salvelinus alpinus</i>	16652	26.4	28.6	28.0	17.0	54.3	45.7	MT880670
<i>Salvelinus alpinus</i>	16652	26.4	28.6	28.0	17.0	54.3	45.7	MT880671
<i>Salvelinus alpinus</i>	16652	26.4	28.6	28.0	17.0	54.4	45.6	MT880672
<i>Salvelinus alpinus</i>	16652	26.4	28.6	28.0	17.0	54.4	45.6	MT880695
<i>Salvelinus alpinus</i>	16652	26.4	28.6	28.0	17.0	54.4	45.6	MT880696
<i>Salvelinus alpinus</i>	16652	26.4	28.6	28.0	17.0	54.4	45.6	MT880697
<i>Salvelinus alpinus</i>	16656	26.4	28.6	28.0	17.0	54.4	45.6	MT880693
<i>Salvelinus alpinus</i>	16652	26.4	28.6	28.0	17.0	54.4	45.6	MT880694
<i>Salvelinus alpinus</i>	16655	26.4	28.6	28.0	16.9	54.5	45.5	MT880712
<i>Salvelinus alpinus</i>	16655	26.4	28.6	28.0	17.0	54.5	45.5	MT880713
<i>Salvelinus alpinus</i>	16655	26.4	28.6	28.0	16.9	54.5	45.5	MT880715
<i>Salvelinus alpinus</i>	16653	26.4	28.6	28.0	17.0	54.5	45.5	MT880709
<i>Salvelinus alpinus</i>	16655	26.4	28.6	28.0	17.0	54.5	45.5	MT880681
<i>Salvelinus alpinus</i>	16656	26.5	28.6	28.0	17.0	54.4	45.6	MT880682
<i>Salvelinus alpinus</i>	16658	26.5	28.6	28.0	17.0	54.4	45.6	MT880684
<i>Salvelinus alpinus</i>	16652	26.4	28.6	28.0	17.0	54.4	45.6	MT880686
<i>Salvelinus alpinus</i>	16652	26.4	28.6	28.0	17.0	54.4	45.6	MT880687
<i>Salvelinus alpinus</i>	16652	26.4	28.6	28.0	17.0	54.4	45.6	MT880698
<i>Salvelinus alpinus</i>	16652	26.4	28.6	28.0	17.0	54.4	45.6	MT880707
<i>Salvelinus alpinus</i>	16652	26.4	28.6	28.0	17.0	54.4	45.6	MT880701
<i>Salvelinus alpinus</i>	16652	26.4	28.6	28.0	17.0	54.4	45.6	MT880704
<i>Salvelinus alpinus</i>	16652	26.4	28.6	28.0	17.0	54.3	45.7	MT880706
<i>Salvelinus alpinus</i>	16659	26.5	28.5	28.1	16.9	54.5	45.5	AF154851
<i>Salvelinus alpinus</i>	16652	26.4	28.6	28.0	17.0	54.3	45.7	MF621741
<i>Salvelinus alpinus</i>	16653	26.5	28.6	28.0	16.9	54.5	45.5	MF621743

<i>Salvelinus alpinus</i>	16652	26.4	28.6	28.0	17.0	54.4	45.6	MN530963
<i>Salvelinus alpinus</i>	16652	26.4	28.6	28.0	17.0	54.4	45.6	MN530962
<i>Salvelinus alpinus alpinus</i>	16655	26.5	28.5	28.0	17.0	54.5	45.5	MN957796
<i>Salvelinus alpinus alpinus</i>	16657	26.4	28.6	28.0	17.0	54.4	45.6	MN957795
<i>Salvelinus alpinus alpinus</i>	16655	26.4	28.6	28.0	17.0	54.4	45.6	MN957797
<i>Salvelinus alpinus erythrinus</i>	16652	26.4	28.6	28.0	17.0	54.4	45.6	MW664921
<i>Salvelinus alpinus erythrinus</i>	16652	26.4	28.6	28.0	17.0	54.4	45.6	MW664922
<i>Salvelinus boganidae</i>	16655	26.4	28.6	28.0	17.0	54.4	45.6	NC 046706
<i>Salvelinus boganidae</i>	16655	26.4	28.6	28.0	17.0	54.4	45.6	MK695623
<i>Salvelinus curilus</i>	16654	26.4	28.6	28.0	17.0	54.4	45.6	KJ746619
<i>Salvelinus curilus</i>	16654	26.4	28.6	28.0	17.0	54.4	45.6	NC 024585
<i>Salvelinus elgyticus</i>	16654	26.3	28.6	27.9	17.1	54.2	45.8	MK695624
<i>Salvelinus elgyticus</i>	16654	26.3	28.6	27.9	17.1	54.2	45.8	NC 046707
<i>Salvelinus elgyticus</i>	16654	26.3	28.7	27.9	17.1	54.2	45.8	MK695625
<i>Salvelinus fontinalis</i>	16624	26.6	28.3	28.2	16.9	54.8	45.2	AF154850
<i>Salvelinus fontinalis</i>	16624	26.6	28.3	28.2	16.9	54.8	45.2	NC 000860
<i>Salvelinus fontinalis</i>	16623	26.6	28.3	28.2	16.9	54.7	45.3	MF621737
<i>Salvelinus fontinalis</i>	16623	26.6	28.3	28.2	16.9	54.8	45.2	MF621739
<i>Salvelinus fontinalis</i>	16623	26.6	28.3	28.2	16.9	54.8	45.2	MF621738
<i>Salvelinus fontinalis</i> x <i>Salvelinus malma</i>	16622	26.5	28.4	28.3	16.8	54.8	45.2	MK270623
<i>Salvelinus fontinalis</i> x <i>Salvelinus malma</i>	16622	26.5	28.4	28.3	16.8	54.8	45.2	NC 042195
<i>Salvelinus kuznetzovi</i>	16654	26.4	28.6	28.0	17.0	54.5	45.5	KU674352
<i>Salvelinus kuznetzovi</i>	16654	26.4	28.6	28.0	17.0	54.5	45.5	KU674351
<i>Salvelinus kuznetzovi</i>	16654	26.4	28.6	28.0	17.0	54.5	45.5	NC 029877
<i>Salvelinus leucomaenis</i>	16655	26.3	28.6	28.1	17.0	54.4	45.6	KF974451
<i>Salvelinus leucomaenis</i>	16658	26.5	28.4	28.2	16.9	54.7	45.3	KF513161
<i>Salvelinus leucomaenis</i>	16655	26.3	28.6	28.0	17.1	54.3	45.7	KF974452
<i>Salvelinus leucomaenis</i>	16655	26.3	28.6	28.1	17.0	54.4	45.6	MN972433
<i>Salvelinus leucomaenis</i>	16655	26.3	28.6	28.1	17.0	54.4	45.6	MN972434
<i>Salvelinus leucomaenis</i>	16655	26.3	28.6	28.1	17.0	54.4	45.6	MN972435
<i>Salvelinus leucomaenis</i>	16658	26.5	28.4	28.2	16.9	54.7	45.3	NC 022844
<i>Salvelinus levanidovi</i>	16624	26.4	28.6	28.1	16.9	54.5	45.5	MK695626
<i>Salvelinus levanidovi</i>	16624	26.4	28.6	28.1	16.9	54.5	45.5	NC 046708
<i>Salvelinus malma</i>	16652	26.5	28.5	28.0	17.0	54.5	45.5	MN530959
<i>Salvelinus malma</i>	16654	26.5	28.6	28.0	16.9	54.5	45.5	KJ746618
<i>Salvelinus malma</i>	16652	26.4	28.5	28.1	17.0	54.5	45.5	MF680544
<i>Salvelinus malma</i>	16652	26.4	28.5	28.1	17.0	54.5	45.5	NC 037502
<i>Salvelinus malma</i>	16652	26.5	28.5	28.0	17.0	54.5	45.5	MN530961
<i>Salvelinus malma</i>	16652	26.5	28.5	28.0	17.0	54.5	45.5	MN530960
<i>Salvelinus namaycush</i>	16654	26.2	28.8	27.8	17.2	54.0	46.0	CM028292
<i>Salvelinus namaycush</i>	16654	26.2	28.9	27.7	17.2	53.9	46.1	MF621745
<i>Salvelinus namaycush</i>	16655	26.2	28.9	27.8	17.2	53.9	46.1	MF621747
<i>Salvelinus namaycush</i>	16653	26.2	28.8	27.8	17.1	54.0	46.0	MF621742

<i>Salvelinus namaycush</i>	16653	26.2	28.8	27.8	17.1	54.0	46.0	NC 036392
<i>Salvelinus namaycush</i>	16655	26.2	28.8	27.8	17.2	54.0	46.0	MF621748
<i>Salvelinus namaycush</i>	16654	26.2	28.9	27.7	17.2	53.9	46.1	MF621744
<i>Salvelinus namaycush</i>	16654	26.2	28.8	27.8	17.2	54.0	46.0	MF621746
<i>Salvelinus schmidtii</i>	16653	26.5	28.6	28.1	16.9	54.5	45.5	MW664923
<i>Salvelinus schmidtii</i>	16653	26.5	28.6	28.1	16.9	54.5	45.5	NC 059927
<i>Salvelinus schmidtii</i>	16655	26.5	28.6	28.1	16.9	54.5	45.5	MW664924
<i>Salvelinus sp.</i>	16654	26.4	28.6	28.0	17.0	54.4	45.6	MW181766
<i>Salvelinus sp.</i>	16654	26.4	28.6	28.0	17.0	54.4	45.6	MW181767
<i>Salvelinus sp.</i>	16654	26.4	28.6	28.0	17.0	54.4	45.6	MW181768
<i>Salvelinus taranetzi</i>	16654	26.4	28.6	28.0	17.0	54.4	45.6	MK695630
<i>Salvelinus taranetzi</i>	16654	26.4	28.6	28.0	17.0	54.4	45.6	NC 046710
<i>Salvelinus taranetzi</i>	16654	26.4	28.6	28.0	17.0	54.3	45.7	MK695631
<i>Salvelinus svetovidovi</i>	16655	26.4	28.7	28.0	16.9	54.4	45.6	NC 046709
<i>Salvelinus svetovidovi</i>	16655	26.4	28.7	28.0	16.9	54.4	45.6	MK695628
<i>Salvelinus svetovidovi</i>	16655	26.4	28.7	28.0	16.9	54.4	45.6	MK695629
<i>Salvelinus svetovidovi</i>	16655	26.4	28.7	28.0	16.9	54.4	45.6	MK695627
<i>Stenodus leucichthys</i>	16864	25.8	29.3	27.0	17.9	52.8	47.2	JQ390059
<i>Stenodus leucichthys</i>	16864	25.8	29.3	27.0	17.9	52.8	47.2	NC 020761
<i>Thymallus aeliani</i>	16657	27.1	27.5	27.9	17.6	54.9	45.1	MT063008
<i>Thymallus aeliani</i>	16657	27.1	27.5	27.9	17.6	54.9	45.1	NC 056304
<i>Thymallus aeliani</i>	16657	27.1	27.5	27.9	17.6	54.9	45.1	MT063009
<i>Thymallus arcticus</i>	16662	27.6	27.1	28.3	17.0	55.9	44.1	MT063015
<i>Thymallus arcticus</i>	16662	27.6	27.1	28.3	17.0	55.9	44.1	MT063017
<i>Thymallus arcticus</i>	16662	27.4	27.2	28.2	17.2	55.6	44.4	MT063011
<i>Thymallus arcticus</i>	16662	27.4	27.2	28.2	17.2	55.6	44.4	MT063014
<i>Thymallus arcticus</i>	16661	27.5	27.2	28.2	17.1	55.7	44.3	MF621754
<i>Thymallus arcticus</i>	16661	27.5	27.2	28.2	17.1	55.7	44.3	MF621755
<i>Thymallus arcticus</i>	16661	27.5	27.2	28.2	17.1	55.7	44.3	MF621758
<i>Thymallus arcticus</i>	16655	27.2	27.5	27.9	17.4	55.1	44.9	KJ866481
<i>Thymallus arcticus</i>	16660	27.4	27.3	28.1	17.2	55.5	44.5	MT063013
<i>Thymallus arcticus</i>	16662	27.6	27.1	28.3	17.0	55.9	44.1	MT063016
<i>Thymallus arcticus</i>	16663	27.5	27.2	28.3	17.1	55.7	44.3	MT063012
<i>Thymallus arcticus</i>	16660	27.5	27.2	28.2	17.1	55.7	44.3	MT063010
<i>Thymallus arcticus</i>	16660	27.5	27.2	28.2	17.1	55.7	44.3	NC 056305
<i>Thymallus arcticus</i>	16644	27.5	27.2	28.2	17.2	55.6	44.4	FJ872559
<i>Thymallus arcticus</i>	16661	27.5	27.2	28.2	17.1	55.7	44.3	MF621752
<i>Thymallus arcticus</i>	16661	27.5	27.2	28.2	17.1	55.8	44.2	MF621753
<i>Thymallus arcticus</i>	16661	27.5	27.1	28.2	17.1	55.8	44.2	MF621756
<i>Thymallus arcticus</i>	16661	27.5	27.2	28.2	17.1	55.7	44.3	MF621757
<i>Thymallus baicalensis</i>	16661	27.2	27.5	28.2	17.1	55.4	44.6	MT063024
<i>Thymallus baicalensis</i>	16662	27.2	27.5	28.2	17.1	55.4	44.6	MT063022
<i>Thymallus baicalensis</i>	16662	27.2	27.5	28.2	17.1	55.4	44.6	NC 056306

<i>Thymallus baicalensis</i>	16661	27.2	27.5	28.2	17.1	55.4	44.6	MT063027
<i>Thymallus baicalensis</i>	16659	27.3	27.5	28.2	17.1	55.5	44.5	MT063026
<i>Thymallus baicalensis</i>	16661	27.2	27.5	28.2	17.1	55.4	44.6	MT063023
<i>Thymallus baicalensis</i>	16661	27.2	27.5	28.2	17.1	55.4	44.6	MT063025
<i>Thymallus baicalolenensis</i>	16661	27.5	27.3	28.0	17.2	55.5	44.5	MT063021
<i>Thymallus baicalolenensis</i>	16662	27.5	27.3	28.0	17.2	55.4	44.6	KY078221
<i>Thymallus baicalolenensis</i>	16661	27.5	27.3	28.0	17.2	55.4	44.6	MT063018
<i>Thymallus baicalolenensis</i>	16662	27.5	27.3	28.0	17.2	55.4	44.6	NC 034294
<i>Thymallus baicalolenensis</i>	16661	27.5	27.3	28.0	17.3	55.4	44.6	MT063019
<i>Thymallus baicalolenensis</i>	16662	27.5	27.3	28.0	17.2	55.5	44.5	MT063020
<i>Thymallus baicalolenensis</i>	16663	27.5	27.3	28.0	17.2	55.5	44.5	KJ866482
<i>Thymallus brevicephalus</i>	16655	27.2	27.5	28.0	17.4	55.2	44.8	MT063034
<i>Thymallus brevicephalus</i>	16655	27.2	27.5	28.0	17.4	55.2	44.8	NC 056310
<i>Thymallus brevicephalus</i>	16657	27.2	27.5	28.0	17.4	55.1	44.9	MT063035
<i>Thymallus brevicephalus</i>	16657	27.1	27.5	28.0	17.4	55.1	44.9	MT063036
<i>Thymallus brevirostris</i>	16658	27.1	27.5	28.0	17.3	55.1	44.9	MT063033
<i>Thymallus brevirostris</i>	16658	27.1	27.5	27.9	17.4	55.0	45.0	KJ866486
<i>Thymallus brevirostris</i>	16658	27.1	27.5	27.9	17.4	55.0	45.0	NC 027412
<i>Thymallus brevirostris</i>	16653	27.1	27.5	28.0	17.4	55.1	44.9	MH027384
<i>Thymallus burejensis</i>	16663	27.4	27.3	28.2	17.1	55.6	44.4	MT063037
<i>Thymallus burejensis</i>	16664	27.0	27.6	27.9	17.5	54.9	45.1	NC 027411
<i>Thymallus burejensis</i>	16663	27.4	27.3	28.2	17.1	55.6	44.4	KY078220
<i>Thymallus burejensis</i>	16664	27.0	27.6	27.9	17.5	54.9	45.1	KJ866485
<i>Thymallus grubii</i>	16660	27.1	27.6	27.9	17.4	55.1	44.9	KY078219
<i>Thymallus grubii</i>	16660	27.1	27.6	27.9	17.4	55.1	44.9	MT063038
<i>Thymallus grubii</i>	16662	27.1	27.6	28.0	17.4	55.0	45.0	KF649073
<i>Thymallus grubii</i>	16657	27.2	27.5	27.9	17.4	55.1	44.9	KF692113
<i>Thymallus grubii</i>	16662	27.1	27.6	28.0	17.4	55.0	45.0	NC 022925
<i>Thymallus grubii flavomaculatus</i>	16659	27.1	27.5	27.9	17.4	55.0	45.0	KU674353
<i>Thymallus grubii flavomaculatus</i>	16660	27.2	27.5	27.9	17.4	55.1	44.9	KY078215
<i>Thymallus grubii flavomaculatus</i>	16659	27.1	27.5	27.9	17.5	55.0	45.0	KY078216
<i>Thymallus grubii flavomaculatus</i>	16660	27.2	27.5	27.9	17.4	55.1	44.9	MT063039
<i>Thymallus grubii flavomaculatus</i>	16659	27.1	27.5	27.9	17.5	55.0	45.0	KU674354
<i>Thymallus ligericus</i>	16656	27.2	27.4	28.1	17.3	55.3	44.7	MT063046
<i>Thymallus ligericus</i>	16656	27.2	27.4	28.1	17.3	55.3	44.7	MT063053
<i>Thymallus ligericus</i>	16657	27.2	27.4	28.1	17.3	55.3	44.7	MT063007
<i>Thymallus ligericus</i>	16657	27.2	27.4	28.1	17.3	55.3	44.7	NC 056303
<i>Thymallus ligericus</i>	16657	27.2	27.4	28.1	17.3	55.3	44.7	MT063047
<i>Thymallus ligericus</i>	16657	27.2	27.4	28.1	17.3	55.3	44.7	MT063052
<i>Thymallus ligericus</i>	16657	27.2	27.4	28.1	17.3	55.3	44.7	MT063048
<i>Thymallus ligericus</i>	16657	27.2	27.4	28.1	17.3	55.3	44.7	MT063049
<i>Thymallus ligericus</i>	16657	27.2	27.4	28.1	17.3	55.3	44.7	MT063050
<i>Thymallus ligericus</i>	16655	27.2	27.4	28.1	17.3	55.3	44.7	MT063051

<i>Thymallus mertensii</i>	16662	27.4	27.3	28.2	17.1	55.6	44.4	KT867088
<i>Thymallus mertensii</i>	16662	27.4	27.3	28.2	17.1	55.6	44.4	NC 029216
<i>Thymallus mertensii</i>	16662	27.4	27.3	28.2	17.1	55.6	44.4	KT867089
<i>Thymallus nigrescens</i>	16661	27.3	27.5	28.2	17.1	55.4	44.6	MT063028
<i>Thymallus nigrescens</i>	16661	27.3	27.5	28.2	17.1	55.4	44.6	NC 056307
<i>Thymallus nikolskyi</i>	16661	27.3	27.5	28.1	17.1	55.4	44.6	MT063029
<i>Thymallus nikolskyi</i>	16657	27.2	27.5	28.1	17.1	55.4	44.6	MT063030
<i>Thymallus nikolskyi</i>	16661	27.3	27.5	28.1	17.1	55.4	44.6	NC 056308
<i>Thymallus pallasii</i>	16663	27.5	27.3	28.0	17.2	55.5	44.5	NC 027408
<i>Thymallus svetovidovi</i>	16659	27.2	27.5	28.2	17.1	55.4	44.6	MT063032
<i>Thymallus svetovidovi</i>	16660	27.2	27.5	28.2	17.1	55.4	44.6	MT063031
<i>Thymallus svetovidovi</i>	16660	27.2	27.5	28.2	17.1	55.4	44.6	NC 056309
<i>Thymallus thymallus</i>	16659	27.0	27.5	28.2	17.3	55.2	44.8	MT063004
<i>Thymallus thymallus</i>	16658	27.1	27.5	28.2	17.2	55.3	44.7	MT062995
<i>Thymallus thymallus</i>	16657	27.2	27.4	28.1	17.3	55.3	44.7	MT063001
<i>Thymallus thymallus</i>	16659	27.1	27.5	28.1	17.3	55.3	44.7	MT063002
<i>Thymallus thymallus</i>	16659	27.1	27.5	28.1	17.3	55.2	44.8	MT063045
<i>Thymallus thymallus</i>	16657	27.0	27.6	28.2	17.2	55.2	44.8	MT063041
<i>Thymallus thymallus</i>	16657	27.1	27.5	28.0	17.3	55.1	44.9	MT062994
<i>Thymallus thymallus</i>	16659	27.1	27.5	28.2	17.2	55.3	44.7	MT062999
<i>Thymallus thymallus</i>	16658	27.1	27.5	28.2	17.2	55.3	44.7	MT063000
<i>Thymallus thymallus</i>	16657	27.1	27.5	28.1	17.2	55.3	44.7	CM015041
<i>Thymallus thymallus</i>	16657	27.1	27.5	28.1	17.3	55.2	44.8	FJ853655
<i>Thymallus thymallus</i>	16656	27.1	27.5	28.2	17.2	55.2	44.8	MT410870
<i>Thymallus thymallus</i>	16658	27.3	27.3	28.0	17.3	55.3	44.7	MT062997
<i>Thymallus thymallus</i>	16660	27.0	27.6	28.2	17.2	55.2	44.8	MT063006
<i>Thymallus thymallus</i>	16658	27.3	27.3	28.1	17.3	55.3	44.7	MT062998
<i>Thymallus thymallus</i>	16655	27.1	27.5	28.0	17.3	55.1	44.9	MT062996
<i>Thymallus thymallus</i>	16659	27.0	27.6	28.2	17.2	55.2	44.8	MT063040
<i>Thymallus thymallus</i>	16660	27.0	27.6	28.1	17.2	55.2	44.8	MT063042
<i>Thymallus thymallus</i>	16656	27.0	27.6	28.1	17.2	55.1	44.9	MT063043
<i>Thymallus thymallus</i>	16655	27.0	27.5	28.2	17.3	55.2	44.8	MT063044
<i>Thymallus thymallus</i>	16824	27.2	27.4	28.2	17.2	55.4	44.6	MT062993
<i>Thymallus thymallus</i>	16661	27.1	27.5	28.1	17.3	55.2	44.8	MT063003
<i>Thymallus thymallus</i>	16659	27.1	27.5	28.2	17.2	55.2	44.8	MT063005
<i>Thymallus thymallus</i>	16657	27.1	27.5	28.1	17.3	55.2	44.8	NC 012928
<i>Thymallus tugarinae</i>	16662	27.0	27.7	27.9	17.5	54.9	45.1	NC 027409
<i>Thymallus tugarinae</i>	16663	27.1	27.5	27.9	17.5	55.0	45.0	KY078218
<i>Thymallus tugarinae</i>	16664	27.0	27.6	27.8	17.6	54.8	45.2	KY078217
<i>Thymallus tugarinae</i>	16662	27.0	27.7	27.9	17.5	54.9	45.1	KJ866483
<i>Thymallus yaluensis</i>	16659	27.1	27.5	27.9	17.5	55.0	45.0	KJ866484
<i>Thymallus yaluensis</i>	16659	27.1	27.5	27.9	17.5	55.0	45.0	NC 027410

**Table S2.** Species used in the phylogenetic analysis.

Species	Accession ID	
<i>Oncorhynchus chrysogaster</i>	OP902890	this study
<i>Oncorhynchus clarkii henshawi</i>	AY886762	
<i>Oncorhynchus clarkii stomias</i>	KP013107	
<i>Oncorhynchus clarkii virginalis</i>	MW300343	
<i>Oncorhynchus gilae</i>	MW300334	
<i>Oncorhynchus gilae apache</i>	MW300342	
<i>Oncorhynchus gorboscha</i>	EF455489	
<i>Oncorhynchus keta</i>	NC_017838	
<i>Oncorhynchus kisutch</i>	MF621751	
<i>Oncorhynchus masou biwa</i>	EF105342	
<i>Oncorhynchus masou formosanus</i>	DQ858456	
<i>Oncorhynchus masou ishikawae</i>	DQ864464	
<i>Oncorhynchus masou masou</i>	DQ864465	
<i>Oncorhynchus mykiss</i>	DQ288268	
<i>Oncorhynchus mykiss nelsoni</i>	OP902891	this study
<i>Oncorhynchus mykiss x Salmo salar</i>	KP218514	
<i>Oncorhynchus nerka</i>	EF055889	
<i>Oncorhynchus tshawytscha</i>	AF392054	
<i>Parahucho perryi</i>	KC897653	
<i>Salmo salar</i>	AF133701	
<i>Salvelinus fontinalis</i>	AF154850	
<i>Salvelinus leucomaenis</i>	MN972434	
<i>Salvelinus levanidovi</i>	MK695626	

**Table S3.** Nucleotide composition of the *12S* and *16S* rRNA genes in Salmonids.

Species	<i>12S</i> rRNA							<i>16S</i> rRNA							Accession ID
	Length	%T(U)	%C	%A	%G	%AT	%GC	Length	%T(U)	%C	%A	%G	%AT	%GC	
<i>Brachymystax lenok</i>	947	20.1	27.3	29.8	22.8	49.8	50.2	1680	19.3	25.5	32.5	22.7	51.8	48.2	JQ686730
<i>Brachymystax lenok</i>	947	20.1	27.3	29.8	22.8	49.8	50.2	1680	19.3	25.5	32.5	22.7	51.8	48.2	NC 018341
<i>Brachymystax lenok tsinlingensis</i>	947	20.2	27.2	29.6	23.0	49.7	50.3	1680	19.3	25.6	32.4	22.7	51.7	48.3	JQ675732
<i>Brachymystax lenok tsinlingensis</i>	947	20.2	27.2	29.6	23.0	49.7	50.3	1680	19.3	25.6	32.4	22.7	51.7	48.3	JQ686731
<i>Brachymystax lenok tsinlingensis</i>	947	20.2	27.2	29.6	23.0	49.7	50.3	1680	19.3	25.6	32.4	22.7	51.7	48.3	NC 018342
<i>Brachymystax tsinlingensis</i>	947	20.2	27.2	29.6	23.0	49.7	50.3	1676	19.2	25.6	32.5	22.7	51.7	48.3	KY124134
<i>Brachymystax tumensis</i>	948	20.1	27.3	29.7	22.8	49.9	50.1	1680	19.2	25.9	32.2	22.7	51.4	48.6	KJ730524
<i>Brachymystax tumensis</i>	948	20.1	27.3	29.7	22.8	49.9	50.1	1680	19.2	25.9	32.3	22.7	51.4	48.6	KJ730525
<i>Brachymystax tumensis</i>	948	20.1	27.3	29.7	22.8	49.9	50.1	1680	19.2	25.9	32.2	22.7	51.4	48.6	NC 024674
<i>Coregonus artedi</i>	947	20.4	27.2	29.3	23.1	49.6	50.4	1679	19.5	25.3	31.8	23.4	51.3	48.7	MF621765
<i>Coregonus artedi</i>	947	20.4	27.2	29.3	23.1	49.6	50.4	1679	19.5	25.3	31.7	23.5	51.2	48.8	MF621766
<i>Coregonus artedi</i>	947	20.4	27.1	29.4	23.1	49.7	50.3	1679	19.5	25.3	31.8	23.4	51.3	48.7	MH301055
<i>Coregonus artedi</i>	947	20.4	27.2	29.3	23.1	49.6	50.4	1679	19.5	25.3	31.8	23.4	51.3	48.7	MH301056
<i>Coregonus artedi</i>	947	20.4	27.2	29.3	23.1	49.6	50.4	1679	19.5	25.3	31.7	23.5	51.2	48.8	MW856899
<i>Coregonus artedi</i>	947	20.4	27.2	29.3	23.1	49.6	50.4	1679	19.5	25.3	31.8	23.4	51.3	48.7	MW856900
<i>Coregonus artedi</i>	947	20.4	27.2	29.3	23.1	49.6	50.4	1679	19.5	25.3	31.8	23.4	51.3	48.7	NC 036393
<i>Coregonus autumnalis</i>	947	20.5	27.1	29.3	23.1	49.7	50.3	1679	19.4	25.6	31.7	23.3	51.1	48.9	KP452507
<i>Coregonus autumnalis</i>	947	20.5	27.1	29.3	23.1	49.7	50.3	1679	19.4	25.6	31.7	23.3	51.1	48.9	NC 027277
<i>Coregonus baicalensis</i>	947	20.4	27.3	29.1	23.1	49.5	50.5	1679	19.4	25.5	31.9	23.2	51.3	48.7	MN394784
<i>Coregonus baicalensis</i>	947	20.4	27.3	29.1	23.1	49.5	50.5	1679	19.4	25.5	31.9	23.2	51.3	48.7	MN394785
<i>Coregonus baicalensis</i>	947	20.4	27.3	29.1	23.1	49.5	50.5	1679	19.4	25.5	31.9	23.2	51.3	48.7	MN394786
<i>Coregonus baicalensis</i>	947	20.4	27.3	29.1	23.1	49.5	50.5	1679	19.4	25.5	31.9	23.2	51.3	48.7	NC 045226
<i>Coregonus chadary</i>	947	20.3	27.3	29.1	23.2	49.4	50.6	1679	19.3	25.6	31.8	23.3	51.1	48.9	KU530206
<i>Coregonus chadary</i>	947	20.3	27.3	29.1	23.2	49.4	50.6	1679	19.3	25.6	31.8	23.3	51.1	48.9	NC 030175
<i>Coregonus clupeaformis</i>	947	20.5	27.1	29.3	23.1	49.7	50.3	1679	19.4	25.6	31.7	23.3	51.1	48.9	JQ661482
<i>Coregonus clupeaformis</i>	947	20.5	27.1	29.3	23.1	49.7	50.3	1679	19.4	25.6	31.7	23.3	51.1	48.9	JQ661483
<i>Coregonus clupeaformis</i>	947	20.5	27.1	29.3	23.1	49.7	50.3	1679	19.4	25.6	31.7	23.3	51.1	48.9	JQ661484
<i>Coregonus clupeaformis</i>	947	20.5	27.1	29.3	23.1	49.7	50.3	1679	19.4	25.6	31.7	23.3	51.1	48.9	JQ661485
<i>Coregonus clupeaformis</i>	947	20.5	27.1	29.3	23.1	49.7	50.3	1679	19.3	25.6	31.7	23.3	51.0	49.0	JQ661486
<i>Coregonus clupeaformis</i>	947	20.5	27.1	29.4	23.0	49.8	50.2	1679	19.4	25.6	31.7	23.3	51.1	48.9	JQ661487



<i>Coregonus clupeaformis</i>	947	20.5	27.1	29.3	23.1	49.7	50.3	1679	19.4	25.6	31.7	23.3	51.1	48.9	MH301057
<i>Coregonus clupeaformis</i>	947	20.5	27.1	29.3	23.1	49.7	50.3	1679	19.4	25.6	31.8	23.3	51.2	48.8	MH301058
<i>Coregonus clupeaformis</i>	947	20.6	27.0	29.3	23.1	49.8	50.2	1679	19.4	25.6	31.7	23.3	51.1	48.9	NC 020762
<i>Coregonus clupeaformis</i>	947	20.6	27.0	29.3	23.1	49.8	50.2	1679	19.4	25.6	31.7	23.3	51.1	48.9	JQ390060
<i>Coregonus hoyi</i>	947	20.5	27.1	29.3	23.1	49.7	50.3	1679	19.5	25.3	31.8	23.4	51.3	48.7	MT667235
<i>Coregonus hoyi</i>	947	20.4	27.2	29.3	23.1	49.6	50.4	1679	19.5	25.3	31.8	23.4	51.3	48.7	MW856853
<i>Coregonus hoyi</i>	947	20.5	27.1	29.3	23.1	49.7	50.3	1679	19.5	25.3	31.8	23.4	51.3	48.7	MW856901
<i>Coregonus hoyi</i>	947	20.5	27.1	29.3	23.1	49.7	50.3	1679	19.5	25.3	31.8	23.4	51.3	48.7	MW856902
<i>Coregonus hoyi</i>	947	20.5	27.1	29.3	23.1	49.7	50.3	1679	19.5	25.3	31.8	23.4	51.3	48.7	NC 054288
<i>Coregonus lavaretus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.4	31.8	23.4	51.2	48.8	JQ661382
<i>Coregonus lavaretus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.4	31.8	23.4	51.2	48.8	JQ661383
<i>Coregonus lavaretus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.4	31.8	23.4	51.2	48.8	JQ661384
<i>Coregonus lavaretus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.4	31.8	23.4	51.2	48.8	JQ661385
<i>Coregonus lavaretus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.4	31.8	23.4	51.2	48.8	JQ661386
<i>Coregonus lavaretus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.4	31.8	23.4	51.2	48.8	JQ661387
<i>Coregonus lavaretus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.4	31.8	23.4	51.2	48.8	JQ661388
<i>Coregonus lavaretus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.4	31.8	23.4	51.2	48.8	JQ661389
<i>Coregonus lavaretus</i>	947	20.5	27.2	29.3	23.0	49.7	50.3	1679	19.4	25.4	31.8	23.4	51.2	48.8	JQ661390
<i>Coregonus lavaretus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.4	31.8	23.4	51.2	48.8	JQ661392
<i>Coregonus lavaretus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.4	31.8	23.4	51.2	48.8	JQ661393
<i>Coregonus lavaretus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.5	31.8	23.3	51.2	48.8	JQ661419
<i>Coregonus lavaretus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.5	31.8	23.3	51.2	48.8	JQ661420
<i>Coregonus lavaretus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.5	31.8	23.3	51.2	48.8	JQ661421
<i>Coregonus lavaretus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.5	31.8	23.3	51.2	48.8	JQ661422
<i>Coregonus lavaretus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.5	31.8	23.3	51.2	48.8	JQ661423
<i>Coregonus lavaretus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.5	31.8	23.3	51.2	48.8	JQ661424
<i>Coregonus lavaretus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.5	31.8	23.3	51.2	48.8	JQ661425
<i>Coregonus lavaretus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.5	31.8	23.3	51.2	48.8	JQ661426
<i>Coregonus lavaretus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.5	31.8	23.3	51.2	48.8	JQ661427
<i>Coregonus lavaretus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.5	31.8	23.3	51.2	48.8	JQ661431
<i>Coregonus lavaretus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.5	31.8	23.3	51.2	48.8	JQ661432
<i>Coregonus lavaretus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.5	31.8	23.3	51.2	48.8	JQ661435
<i>Coregonus lavaretus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.5	31.8	23.3	51.2	48.8	JQ661436
<i>Coregonus lavaretus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.5	31.8	23.3	51.2	48.8	JQ661437

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<i>Coregonus lavaretus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.5	31.8	23.3	51.2	48.8	JQ661478
<i>Coregonus lavaretus</i>	947	20.5	27.2	29.0	23.2	49.5	50.5	1679	19.4	25.5	31.8	23.3	51.2	48.8	JQ661479
<i>Coregonus lavaretus</i>	946	20.5	27.2	29.2	23.2	49.7	50.3	1679	19.4	25.5	31.8	23.3	51.2	48.8	JQ661480
<i>Coregonus lavaretus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.5	31.8	23.3	51.2	48.8	JQ661481
<i>Coregonus lavaretus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.4	31.7	23.5	51.1	48.9	MK913369
<i>Coregonus lavaretus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.4	31.7	23.4	51.2	48.8	AB034824
<i>Coregonus lavaretus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.4	31.9	23.3	51.2	48.8	JQ661391
<i>Coregonus lavaretus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.4	31.8	23.4	51.2	48.8	JQ661394
<i>Coregonus lavaretus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.4	31.8	23.4	51.2	48.8	JQ661395
<i>Coregonus lavaretus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.4	31.8	23.4	51.2	48.8	JQ661396
<i>Coregonus lavaretus</i>	947	20.5	27.2	29.3	23.0	49.7	50.3	1679	19.4	25.4	31.8	23.4	51.2	48.8	JQ661397
<i>Coregonus lavaretus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.5	31.8	23.3	51.2	48.8	JQ661428
<i>Coregonus lavaretus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.5	31.8	23.3	51.2	48.8	JQ661429
<i>Coregonus lavaretus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.5	31.8	23.3	51.2	48.8	JQ661430
<i>Coregonus lavaretus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.5	31.8	23.3	51.2	48.8	JQ661433
<i>Coregonus lavaretus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.5	31.8	23.3	51.2	48.8	JQ661434
<i>Coregonus lavaretus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.5	31.8	23.3	51.2	48.8	JQ661442
<i>Coregonus lavaretus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.5	31.8	23.3	51.2	48.8	JQ661448
<i>Coregonus lavaretus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.5	31.8	23.3	51.2	48.8	JQ661450
<i>Coregonus lavaretus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.5	31.8	23.3	51.2	48.8	JQ661459
<i>Coregonus lavaretus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.5	31.8	23.3	51.2	48.8	JQ661460
<i>Coregonus lavaretus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.5	31.8	23.3	51.2	48.8	JQ661461
<i>Coregonus lavaretus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.4	31.7	23.4	51.2	48.8	NC 002646
<i>Coregonus migratorius</i>	947	20.4	27.3	29.1	23.1	49.5	50.5	1679	19.4	25.4	31.9	23.3	51.2	48.8	MN394787
<i>Coregonus migratorius</i>	947	20.4	27.3	29.1	23.1	49.5	50.5	1679	19.4	25.4	31.9	23.2	51.3	48.7	MN394788
<i>Coregonus migratorius</i>	947	20.4	27.3	29.1	23.1	49.5	50.5	1679	19.4	25.4	31.9	23.3	51.2	48.8	NC 045227
<i>Coregonus migratorius</i>	947	20.4	27.3	29.0	23.2	49.4	50.6	1679	19.4	25.5	31.9	23.2	51.3	48.7	MN394789
<i>Coregonus muksun</i>	947	20.5	27.2	29.3	23.0	49.7	50.3	1679	19.4	25.4	31.8	23.4	51.2	48.8	KT824877
<i>Coregonus muksun</i>	947	20.5	27.2	29.3	23.0	49.7	50.3	1679	19.4	25.4	31.8	23.4	51.2	48.8	NC 028593
<i>Coregonus nasus</i>	947	20.3	27.3	29.1	23.2	49.4	50.6	1679	19.3	25.6	31.8	23.3	51.1	48.9	JQ390058
<i>Coregonus nasus</i>	947	20.3	27.3	29.1	23.2	49.4	50.6	1679	19.3	25.6	31.8	23.3	51.1	48.9	NC 020760
<i>Coregonus oxyrinchus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.5	31.8	23.3	51.2	48.8	JQ661398
<i>Coregonus oxyrinchus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.5	31.8	23.3	51.2	48.8	JQ661399
<i>Coregonus oxyrinchus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.5	31.8	23.3	51.2	48.8	JQ661400

<i>Coregonus oxyrinchus</i>	947	20.6	27.1	29.1	23.1	49.7	50.3	1679	19.4	25.4	31.8	23.4	51.2	48.8	JQ661401
<i>Coregonus oxyrinchus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.5	31.9	23.3	51.2	48.8	JQ661402
<i>Coregonus oxyrinchus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.5	31.8	23.3	51.2	48.8	JQ661403
<i>Coregonus oxyrinchus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.4	31.8	23.4	51.2	48.8	JQ661404
<i>Coregonus oxyrinchus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.5	31.9	23.3	51.2	48.8	JQ661405
<i>Coregonus oxyrinchus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.5	31.8	23.3	51.2	48.8	JQ661406
<i>Coregonus oxyrinchus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.5	31.8	23.3	51.2	48.8	JQ661407
<i>Coregonus oxyrinchus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.5	31.8	23.3	51.2	48.8	JQ661408
<i>Coregonus oxyrinchus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.5	31.8	23.3	51.2	48.8	JQ661409
<i>Coregonus oxyrinchus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.5	31.8	23.3	51.2	48.8	JQ661410
<i>Coregonus oxyrinchus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.5	31.9	23.3	51.2	48.8	JQ661411
<i>Coregonus oxyrinchus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.5	31.8	23.3	51.2	48.8	JQ661412
<i>Coregonus oxyrinchus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.5	31.8	23.3	51.2	48.8	JQ661413
<i>Coregonus oxyrinchus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.5	31.8	23.3	51.2	48.8	JQ661414
<i>Coregonus oxyrinchus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.5	31.8	23.3	51.2	48.8	JQ661415
<i>Coregonus oxyrinchus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.5	31.8	23.3	51.2	48.8	JQ661416
<i>Coregonus oxyrinchus</i>	947	20.6	27.1	29.1	23.1	49.7	50.3	1678	19.4	25.4	31.8	23.4	51.2	48.8	JQ661417
<i>Coregonus oxyrinchus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.5	31.9	23.3	51.2	48.8	JQ661418
<i>Coregonus oxyrinchus</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.5	31.9	23.3	51.2	48.8	NC 020765
<i>Coregonus peled</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.5	31.8	23.3	51.2	48.8	KM361633
<i>Coregonus peled</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.5	31.8	23.3	51.2	48.8	NC 025576
<i>Coregonus sp. cluncaformis</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.4	31.8	23.4	51.2	48.8	KT375339
<i>Coregonus sp. cluncaformis</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.4	31.8	23.4	51.2	48.8	NC 028198
<i>Coregonus ussuriensis</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.5	31.7	23.4	51.1	48.9	KM210289
<i>Coregonus ussuriensis</i>	947	20.5	27.2	29.1	23.1	49.6	50.4	1679	19.4	25.5	31.7	23.4	51.1	48.9	NC 025648
<i>Hucho bleekeri</i>	947	20.1	27.3	29.7	22.9	49.7	50.3	1680	19.2	25.9	32.3	22.6	51.5	48.5	HM804473
<i>Hucho bleekeri</i>	947	20.0	27.5	29.7	22.9	49.6	50.4	1680	19.3	25.8	32.3	22.7	51.5	48.5	KF908853
<i>Hucho bleekeri</i>	947	20.1	27.3	29.7	22.9	49.7	50.3	1680	19.2	25.9	32.3	22.6	51.5	48.5	NC 015995
<i>Hucho hucho</i>	947	20.1	27.3	29.7	22.9	49.7	50.3	1680	19.2	25.8	32.1	22.9	51.4	48.6	KM588351
<i>Hucho hucho</i>	947	20.1	27.3	29.7	22.9	49.7	50.3	1680	19.2	25.8	32.1	22.9	51.4	48.6	NC 025589
<i>Hucho taimen</i>	947	20.1	27.3	29.7	22.9	49.7	50.3	1680	19.3	25.8	32.0	22.9	51.4	48.6	HQ897271
<i>Hucho taimen</i>	947	20.1	27.3	29.7	22.9	49.7	50.3	1680	19.3	25.8	32.0	22.9	51.3	48.7	KJ711549
<i>Hucho taimen</i>	947	20.1	27.3	29.7	22.9	49.7	50.3	1680	19.2	25.8	32.1	22.8	51.4	48.6	KJ711550
<i>Hucho taimen</i>	947	20.1	27.3	29.7	22.9	49.7	50.3	1680	19.3	25.8	32.1	22.8	51.4	48.6	MK258077

<i>Hucho taimen</i>	947	20.1	27.3	29.7	22.9	49.7	50.3	1680	19.3	25.8	32.1	22.8	51.4	48.6	MK258078	this study
<i>Hucho taimen</i>	947	20.1	27.3	29.7	22.9	49.7	50.3	1680	19.3	25.8	32.1	22.8	51.4	48.6	MK258079	
<i>Hucho taimen</i>	947	20.1	27.3	29.7	22.9	49.7	50.3	1680	19.3	25.8	32.1	22.8	51.4	48.6	MK258080	
<i>Hucho taimen</i>	947	20.1	27.3	29.7	22.9	49.7	50.3	1680	19.2	25.8	32.1	22.9	51.4	48.6	MK258081	
<i>Hucho taimen</i>	947	20.1	27.3	29.7	22.9	49.7	50.3	1680	19.3	25.8	32.0	22.9	51.3	48.7	MK258082	
<i>Hucho taimen</i>	947	20.1	27.3	29.7	22.9	49.7	50.3	1680	19.3	25.8	32.0	22.9	51.3	48.7	MK258083	
<i>Hucho taimen</i>	947	20.1	27.3	29.7	22.9	49.7	50.3	1680	19.3	25.8	32.0	22.9	51.3	48.7	MK258084	
<i>Hucho taimen</i>	947	20.1	27.3	29.7	22.9	49.7	50.3	1680	19.3	25.8	32.0	22.9	51.4	48.6	NC 016426	
<i>Oncorhynchus chrysogaster</i>	947	19.5	27.7	30.0	22.8	49.5	50.5	1659	19.5	25.6	32.2	22.7	51.7	48.3	OP902890	this study
<i>Oncorhynchus clarkii henshawi</i>	947	19.6	27.3	30.3	22.7	49.9	50.1	1677	19.6	25.0	32.4	23.0	52.0	48.0	AY886762	
<i>Oncorhynchus clarkii henshawi</i>	947	19.6	27.3	30.3	22.7	49.9	50.1	1677	19.6	25.0	32.4	23.0	52.0	48.0	NC 006897	
<i>Oncorhynchus clarkii stomias</i>	947	19.6	27.3	30.5	22.5	50.2	49.8	1678	19.4	25.3	32.4	22.9	51.8	48.2	KP013107	
<i>Oncorhynchus clarkii stomias</i>	947	19.6	27.3	30.5	22.5	50.2	49.8	1678	19.4	25.3	32.4	22.9	51.8	48.2	KP013117	
<i>Oncorhynchus clarkii virginalis</i>	947	19.7	27.2	30.1	22.9	49.8	50.2	1678	19.5	25.2	32.5	22.8	52.0	48.0	MW300344	
<i>Oncorhynchus clarkii virginalis</i>	947	19.7	27.2	30.1	22.9	49.8	50.2	1678	19.5	25.2	32.5	22.8	52.0	48.0	MW300343	
<i>Oncorhynchus gilae</i>	947	19.5	27.7	30.1	22.7	49.6	50.4	1680	19.5	25.5	32.2	22.7	51.7	48.3	MW300334	
<i>Oncorhynchus gilae</i>	947	19.5	27.7	30.1	22.7	49.6	50.4	1680	19.5	25.6	32.2	22.7	51.7	48.3	MW300335	
<i>Oncorhynchus gilae</i>	947	19.5	27.7	30.1	22.7	49.6	50.4	1680	19.5	25.6	32.1	22.7	51.7	48.3	MW300336	
<i>Oncorhynchus gilae</i>	947	19.5	27.7	30.1	22.7	49.6	50.4	1680	19.5	25.5	32.2	22.7	51.7	48.3	NC 056957	
<i>Oncorhynchus gilae apache</i>	947	19.5	27.7	30.0	22.8	49.5	50.5	1680	19.6	25.5	32.1	22.7	51.8	48.2	MW300342	
<i>Oncorhynchus gorbuscha</i>	947	20.2	27.0	30.1	22.7	50.3	49.7	1678	19.7	25.1	32.4	22.8	52.1	47.9	EF455489	
<i>Oncorhynchus gorbuscha</i>	947	20.2	27.0	30.1	22.7	50.3	49.7	1678	19.7	25.1	32.4	22.8	52.1	47.9	NC 010959	
<i>Oncorhynchus keta</i>	946	20.1	27.4	29.6	22.9	49.7	50.3	1679	19.8	25.2	32.5	22.5	52.3	47.7	AP010773	
<i>Oncorhynchus keta</i>	946	20.1	27.4	29.6	22.9	49.7	50.3	1679	19.8	25.2	32.5	22.5	52.3	47.7	NC 017838	
<i>Oncorhynchus keta</i>	946	20.1	27.4	29.6	22.9	49.7	50.3	1677	19.9	25.2	32.5	22.5	52.4	47.6	KY320492	
<i>Oncorhynchus kisutch</i>	947	19.9	27.3	29.7	23.1	49.5	50.5	1680	19.8	25.2	32.4	22.5	52.3	47.7	MF621751	
<i>Oncorhynchus kisutch</i>	947	19.9	27.3	29.7	23.1	49.5	50.5	1680	19.8	25.2	32.5	22.4	52.3	47.7	MH003640	
<i>Oncorhynchus kisutch</i>	947	19.9	27.3	29.7	23.1	49.5	50.5	1690	19.8	25.1	32.5	22.5	52.3	47.7	EF126369	
<i>Oncorhynchus kisutch</i>	947	19.9	27.3	29.7	23.1	49.5	50.5	1680	19.8	25.2	32.5	22.4	52.3	47.7	MF621749	
<i>Oncorhynchus kisutch</i>	947	19.9	27.3	29.7	23.1	49.5	50.5	1690	19.8	25.1	32.5	22.5	52.3	47.7	NC 009263	
<i>Oncorhynchus masou biwa</i>	946	20.2	27.0	30.0	22.8	50.2	49.8	1679	19.7	25.0	33.1	22.2	52.8	47.2	EF105342	
<i>Oncorhynchus masou biwa</i>	946	20.2	27.0	30.0	22.8	50.2	49.8	1679	19.7	25.0	33.1	22.2	52.8	47.2	NC 009262	
<i>Oncorhynchus masou formosanus</i>	946	20.2	27.1	30.0	22.7	50.2	49.8	1679	19.6	25.1	33.0	22.3	52.6	47.4	DQ858456	
<i>Oncorhynchus masou formosanus</i>	946	20.2	27.1	30.0	22.7	50.2	49.8	1679	19.6	25.1	33.0	22.3	52.6	47.4	KU523579	

<i>Oncorhynchus masou formosanus</i>	946	20.2	27.1	30.0	22.7	50.2	49.8	1679	19.5	25.1	33.1	22.3	52.6	47.4	KY250421	this study
<i>Oncorhynchus masou formosanus</i>	946	20.2	27.1	30.0	22.7	50.2	49.8	1679	19.6	25.1	33.0	22.3	52.6	47.4	NC 008745	
<i>Oncorhynchus masou ishikawae</i>	946	20.1	27.1	30.0	22.8	50.1	49.9	1679	19.6	25.1	32.9	22.3	52.5	47.5	DQ864464	
<i>Oncorhynchus masou ishikawae</i>	946	20.1	27.1	30.0	22.8	50.1	49.9	1679	19.6	25.1	32.9	22.3	52.5	47.5	NC 008746	
<i>Oncorhynchus masou masou</i>	946	20.3	26.8	30.2	22.6	50.5	49.5	1680	20.0	24.8	32.9	22.3	52.9	47.1	KY320493	
<i>Oncorhynchus masou masou</i>	946	20.2	27.0	30.1	22.7	50.3	49.7	1679	19.6	25.1	32.9	22.3	52.5	47.5	DQ864465	
<i>Oncorhynchus masou masou</i>	946	20.2	27.0	30.1	22.7	50.3	49.7	1679	19.6	25.1	32.9	22.3	52.5	47.5	NC 008747	
<i>Oncorhynchus mykiss</i>	947	19.5	27.7	30.1	22.7	49.6	50.4	1680	19.4	25.7	32.1	22.7	51.5	48.5	DQ288268	
<i>Oncorhynchus mykiss</i>	947	19.5	27.7	29.9	22.9	49.4	50.6	1680	19.5	25.7	32.2	22.7	51.7	48.3	MF621750	
<i>Oncorhynchus mykiss</i>	944	19.6	27.4	30.2	22.8	49.8	50.2	1680	19.5	25.6	32.0	22.9	51.5	48.5	NC 001717	
<i>Oncorhynchus mykiss</i>	947	19.5	27.7	30.0	22.8	49.5	50.5	1680	19.5	25.7	32.2	22.7	51.7	48.3	DQ288269	
<i>Oncorhynchus mykiss</i>	947	19.5	27.7	30.0	22.8	49.5	50.5	1680	19.5	25.7	32.1	22.7	51.6	48.4	DQ288270	
<i>Oncorhynchus mykiss</i>	947	19.5	27.7	30.0	22.8	49.5	50.5	1680	19.5	25.7	32.1	22.7	51.6	48.4	DQ288271	
<i>Oncorhynchus mykiss</i>	947	19.5	27.7	30.0	22.8	49.5	50.5	1680	19.5	25.7	32.1	22.7	51.6	48.4	KP013084	
<i>Oncorhynchus mykiss</i>	947	19.5	27.5	30.1	22.9	49.6	50.4	1680	19.5	25.7	32.0	22.8	51.5	48.5	KP085590	
<i>Oncorhynchus mykiss</i>	946	19.7	27.6	29.9	22.8	49.6	50.4	1680	19.5	25.7	32.2	22.7	51.7	48.3	MT410879	
<i>Oncorhynchus mykiss</i>	947	19.5	27.7	30.0	22.8	49.5	50.5	1680	19.5	25.7	32.1	22.7	51.6	48.4	MT667254	
<i>Oncorhynchus mykiss</i>	944	19.6	27.4	30.2	22.8	49.8	50.2	1680	19.5	25.6	32.0	22.9	51.5	48.5	L29771	
<i>Oncorhynchus mykiss nelsoni</i>	947	19.5	27.7	30.0	22.8	49.5	50.5	1658	19.5	25.6	32.1	22.7	51.6	48.4	OP902891	
<i>Oncorhynchus mykiss x Salmo salar</i>	948	19.4	27.5	30.1	23.0	49.5	50.5	1680	19.5	25.5	32.2	22.7	51.7	48.3	KP218514	
<i>Oncorhynchus mykiss x Salmo salar</i>	948	19.4	27.5	30.1	23.0	49.5	50.5	1680	19.5	25.5	32.2	22.7	51.7	48.3	NC 026537	
<i>Oncorhynchus nerka</i>	947	20.1	27.1	29.6	23.2	49.6	50.4	1678	19.9	25.1	32.7	22.3	52.6	47.4	EF055889	
<i>Oncorhynchus nerka</i>	947	20.1	27.1	29.6	23.2	49.6	50.4	1678	19.8	25.1	32.8	22.2	52.6	47.4	MG993162	
<i>Oncorhynchus nerka</i>	947	20.1	27.1	29.6	23.2	49.6	50.4	1678	19.8	25.1	32.8	22.2	52.6	47.4	MH003639	
<i>Oncorhynchus nerka</i>	947	20.1	27.1	29.6	23.2	49.6	50.4	1678	19.8	25.1	32.8	22.2	52.6	47.4	MH003641	
<i>Oncorhynchus nerka</i>	947	20.1	27.1	29.6	23.2	49.6	50.4	1678	19.9	25.1	32.7	22.3	52.6	47.4	NC 008615	
<i>Oncorhynchus tshawytscha</i>	947	20.3	27.1	29.9	22.7	50.2	49.8	1683	19.6	25.3	32.9	22.2	52.5	47.5	AF392054	
<i>Oncorhynchus tshawytscha</i>	947	20.3	27.1	29.9	22.7	50.2	49.8	1683	19.6	25.3	32.9	22.2	52.5	47.5	NC 002980	
<i>Parahucho perryi</i>	947	20.0	27.3	29.6	23.1	49.5	50.5	1682	19.1	25.8	32.8	22.3	51.9	48.1	KJ816316	
<i>Parahucho perryi</i>	947	20.0	27.3	29.6	23.1	49.5	50.5	1678	19.2	25.7	32.8	22.2	52.0	48.0	KC897653	
<i>Parahucho perryi</i>	947	20.0	27.3	29.6	23.1	49.5	50.5	1683	19.1	25.8	32.7	22.3	51.9	48.1	KJ816315	
<i>Parahucho perryi</i>	947	20.0	27.3	29.6	23.1	49.5	50.5	1678	19.2	25.7	32.8	22.2	52.0	48.0	NC 021651	
<i>Prosopium cylindraceum</i>	947	19.6	27.7	29.1	23.5	48.8	51.2	1679	19.7	25.0	32.2	23.1	51.9	48.1	MF621767	

<i>Prosopium cylindraceum</i>	947	19.6	27.6	29.4	23.4	49.0	51.0	1679	19.7	25.0	32.2	23.2	51.9	48.1	MF621768
<i>Prosopium cylindraceum</i>	947	19.6	27.6	29.4	23.4	49.0	51.0	1679	19.7	25.0	32.2	23.2	51.9	48.1	JQ390062
<i>Prosopium cylindraceum</i>	947	19.6	27.6	29.4	23.4	49.0	51.0	1679	19.7	25.0	32.2	23.2	51.9	48.1	MF621759
<i>Prosopium cylindraceum</i>	947	19.6	27.7	29.1	23.5	48.8	51.2	1679	19.7	25.0	32.2	23.1	51.9	48.1	MF621764
<i>Prosopium cylindraceum</i>	947	19.6	27.6	29.4	23.4	49.0	51.0	1679	19.7	25.0	32.2	23.2	51.9	48.1	NC 020764
<i>Prosopium williamsoni</i>	947	19.9	27.2	29.5	23.4	49.3	50.7	1679	19.6	25.2	31.9	23.3	51.5	48.5	JQ390061
<i>Prosopium williamsoni</i>	947	19.9	27.2	29.5	23.4	49.3	50.7	1679	19.6	25.2	31.9	23.3	51.5	48.5	NC 020763
<i>Salmo caspius</i>	947	19.6	27.7	29.8	22.9	49.4	50.6	1661	19.7	25.3	32.3	22.6	52.1	47.9	MT789707
<i>Salmo caspius</i>	947	19.6	27.7	29.8	22.9	49.4	50.6	1661	19.7	25.3	32.3	22.6	52.1	47.9	MT789708
<i>Salmo caspius</i>	947	19.6	27.7	29.8	22.9	49.4	50.6	1661	19.7	25.3	32.3	22.6	52.1	47.9	NC 058188
<i>Salmo ischchan</i>	947	19.6	27.7	29.9	22.8	49.5	50.5	1681	19.8	25.4	32.4	22.5	52.1	47.9	MG551590
<i>Salmo ischchan</i>	947	19.6	27.7	29.8	22.9	49.4	50.6	1681	19.8	25.4	32.4	22.5	52.1	47.9	MG599465
<i>Salmo ischchan</i>	947	19.6	27.7	29.8	22.9	49.4	50.6	1681	19.8	25.4	32.4	22.5	52.1	47.9	MG940849
<i>Salmo ischchan</i>	947	19.6	27.7	29.9	22.8	49.5	50.5	1681	19.8	25.4	32.4	22.4	52.2	47.8	MG940850
<i>Salmo ischchan</i>	947	19.6	27.7	29.8	22.9	49.4	50.6	1681	19.8	25.4	32.4	22.5	52.1	47.9	NC 037399
<i>Salmo ischchan</i>	947	19.6	27.7	30.0	22.7	49.6	50.4	1681	19.8	25.4	32.3	22.5	52.1	47.9	MG551591
<i>Salmo ischchan</i>	947	19.6	27.7	29.9	22.8	49.5	50.5	1681	19.8	25.4	32.4	22.4	52.2	47.8	MG599466
<i>Salmo ischchan gegarkuni</i>	947	19.6	27.7	29.9	22.8	49.5	50.5	1679	19.7	25.4	32.3	22.5	52.1	47.9	MG551588
<i>Salmo ischchan gegarkuni</i>	947	19.6	27.7	29.9	22.8	49.5	50.5	1681	19.8	25.4	32.4	22.4	52.2	47.8	MG551589
<i>Salmo ischchan gegarkuni</i>	947	19.6	27.7	29.9	22.8	49.5	50.5	1681	19.8	25.4	32.4	22.4	52.2	47.8	MG940853
<i>Salmo ischchan gegarkuni</i>	947	19.6	27.7	29.9	22.8	49.5	50.5	1661	19.8	25.3	32.3	22.6	52.1	47.9	MT789703
<i>Salmo ischchan gegarkuni</i>	947	19.6	27.7	29.9	22.8	49.5	50.5	1661	19.8	25.3	32.5	22.5	52.3	47.7	MT789704
<i>Salmo obtusirostris</i>	947	19.7	27.6	29.6	23.1	49.3	50.7	1681	19.8	25.4	32.5	22.4	52.2	47.8	NC 037939
<i>Salmo salar</i>	947	19.9	27.3	30.4	22.4	50.3	49.7	1679	19.5	25.6	32.9	22.0	52.5	47.5	AF133701
<i>Salmo salar</i>	947	19.9	27.2	30.4	22.5	50.3	49.7	1682	19.4	25.4	32.9	22.2	52.3	47.7	JQ390055
<i>Salmo salar</i>	947	20.0	27.3	30.5	22.2	50.5	49.5	1682	19.5	25.5	32.9	22.1	52.4	47.6	JQ390056
<i>Salmo salar</i>	947	19.9	27.3	30.4	22.4	50.3	49.7	1682	19.5	25.5	32.9	22.1	52.4	47.6	KF792729
<i>Salmo salar</i>	946	19.9	27.3	30.4	22.4	50.3	49.7	1678	19.5	25.4	33.0	22.1	52.5	47.5	NC 001960
<i>Salmo salar</i>	946	19.9	27.3	30.4	22.4	50.3	49.7	1678	19.5	25.4	33.0	22.1	52.5	47.5	U12143
<i>Salmo trutta</i>	947	19.7	27.6	29.9	22.8	49.6	50.4	1681	19.7	25.5	32.6	22.2	52.3	47.7	JQ390057
<i>Salmo trutta</i>	947	19.7	27.6	29.9	22.8	49.6	50.4	1681	19.8	25.4	32.6	22.2	52.3	47.7	MF621760
<i>Salmo trutta</i>	947	19.7	27.6	29.9	22.8	49.6	50.4	1681	19.7	25.5	32.6	22.2	52.3	47.7	MF621761
<i>Salmo trutta</i>	947	19.7	27.6	29.9	22.8	49.6	50.4	1681	19.8	25.4	32.6	22.2	52.3	47.7	MF621762
<i>Salmo trutta</i>	947	19.7	27.6	29.9	22.8	49.6	50.4	1681	19.7	25.5	32.5	22.3	52.2	47.8	MF621763

<i>Salmo trutta</i>	947	19.7	27.6	29.9	22.8	49.6	50.4	1681	19.7	25.5	32.6	22.2	52.3	47.7	NC 024032
<i>Salmo trutta fario</i>	947	19.5	27.8	29.8	22.9	49.3	50.7	1681	19.7	25.5	32.3	22.5	52.0	48.0	KP171723
<i>Salmo trutta fario</i>	947	19.7	27.6	29.9	22.8	49.6	50.4	1681	19.7	25.5	32.6	22.2	52.3	47.7	KT633607
<i>Salmo trutta fario</i>	947	19.6	27.7	29.8	22.9	49.4	50.6	1682	19.7	25.4	32.3	22.5	52.0	48.0	KT634053
<i>Salmo trutta fario</i>	947	19.6	27.7	29.9	22.8	49.5	50.5	1661	19.8	25.3	32.4	22.5	52.2	47.8	MT789706
<i>Salmo trutta fario</i>	947	19.6	27.7	29.8	22.9	49.4	50.6	1661	19.7	25.3	32.3	22.6	52.1	47.9	MT789705
<i>Salmo trutta trutta</i>	947	19.7	27.6	29.9	22.8	49.6	50.4	1682	19.7	25.4	32.7	22.2	52.4	47.6	NC 010007
<i>Salvelinus albus</i>	947	20.1	27.0	30.0	22.9	50.1	49.9	1679	19.4	25.4	32.6	22.6	52.0	48.0	KT266871
<i>Salvelinus albus</i>	947	20.1	27.0	30.0	22.9	50.1	49.9	1679	19.4	25.4	32.6	22.6	52.0	48.0	NC 028018
<i>Salvelinus albus</i>	947	20.1	27.0	30.0	22.9	50.1	49.9	1679	19.4	25.4	32.6	22.6	52.0	48.0	KT266870
<i>Salvelinus alpinus</i>	947	20.0	27.0	29.9	23.1	49.8	50.2	1689	19.2	25.5	32.7	22.6	51.9	48.1	MF621740
<i>Salvelinus alpinus</i>	947	20.0	27.1	29.8	23.1	49.7	50.3	1679	19.4	25.4	32.7	22.5	52.1	47.9	MT880631
<i>Salvelinus alpinus</i>	947	20.0	27.1	29.8	23.1	49.7	50.3	1679	19.4	25.4	32.7	22.5	52.1	47.9	MT880632
<i>Salvelinus alpinus</i>	947	20.0	27.1	29.9	23.0	49.8	50.2	1679	19.4	25.4	32.7	22.5	52.1	47.9	MT880633
<i>Salvelinus alpinus</i>	947	20.0	27.0	29.9	23.1	49.8	50.2	1679	19.2	25.6	32.8	22.5	52.0	48.0	MT880635
<i>Salvelinus alpinus</i>	947	20.0	27.1	29.8	23.1	49.7	50.3	1679	19.4	25.4	32.7	22.5	52.1	47.9	MT880638
<i>Salvelinus alpinus</i>	947	20.0	27.0	29.9	23.1	49.8	50.2	1679	19.2	25.6	32.8	22.5	51.9	48.1	MT880641
<i>Salvelinus alpinus</i>	947	20.0	27.0	29.9	23.1	49.8	50.2	1679	19.2	25.6	32.8	22.5	52.0	48.0	MT880642
<i>Salvelinus alpinus</i>	947	20.0	27.0	29.9	23.1	49.8	50.2	1679	19.2	25.6	32.8	22.5	51.9	48.1	MT880643
<i>Salvelinus alpinus</i>	947	20.0	27.0	29.9	23.1	49.8	50.2	1679	19.2	25.6	32.8	22.5	51.9	48.1	MT880644
<i>Salvelinus alpinus</i>	947	20.0	27.0	29.9	23.1	49.8	50.2	1679	19.2	25.6	32.8	22.5	51.9	48.1	MT880645
<i>Salvelinus alpinus</i>	947	20.0	27.0	29.9	23.1	49.8	50.2	1679	19.2	25.6	32.8	22.5	51.9	48.1	MT880646
<i>Salvelinus alpinus</i>	947	20.0	27.0	29.9	23.1	49.8	50.2	1679	19.2	25.6	32.8	22.5	51.9	48.1	MT880648
<i>Salvelinus alpinus</i>	947	20.0	27.0	29.9	23.1	49.8	50.2	1679	19.2	25.6	32.8	22.5	52.0	48.0	MT880649
<i>Salvelinus alpinus</i>	947	20.0	27.0	29.9	23.1	49.8	50.2	1679	19.2	25.6	32.8	22.5	52.0	48.0	MT880650
<i>Salvelinus alpinus</i>	947	20.0	27.0	29.9	23.1	49.8	50.2	1679	19.2	25.6	32.8	22.5	52.0	48.0	MT880652
<i>Salvelinus alpinus</i>	947	20.0	27.0	29.9	23.1	49.8	50.2	1679	19.2	25.6	32.8	22.5	52.0	48.0	MT880654
<i>Salvelinus alpinus</i>	947	20.0	27.0	29.9	23.1	49.8	50.2	1679	19.2	25.6	32.8	22.5	52.0	48.0	MT880655
<i>Salvelinus alpinus</i>	947	20.0	27.0	29.9	23.1	49.8	50.2	1679	19.2	25.6	32.8	22.5	52.0	48.0	MT880656
<i>Salvelinus alpinus</i>	947	20.0	27.0	29.9	23.1	49.8	50.2	1679	19.2	25.6	32.8	22.5	52.0	48.0	MT880657
<i>Salvelinus alpinus</i>	947	20.0	27.0	29.9	23.1	49.8	50.2	1679	19.2	25.6	32.8	22.5	52.0	48.0	MT880658
<i>Salvelinus alpinus</i>	947	20.0	27.1	29.8	23.1	49.7	50.3	1679	19.4	25.4	32.7	22.5	52.1	47.9	MT880660
<i>Salvelinus alpinus</i>	947	20.0	27.1	29.8	23.1	49.7	50.3	1679	19.4	25.4	32.7	22.5	52.1	47.9	MT880661
<i>Salvelinus alpinus</i>	947	20.0	27.1	29.8	23.1	49.7	50.3	1679	19.4	25.4	32.7	22.5	52.1	47.9	MT880662



<i>Salvelinus alpinus</i>	947	20.0	27.0	29.9	23.1	49.8	50.2	1679	19.2	25.6	32.8	22.5	52.0	48.0	MT880669
<i>Salvelinus alpinus</i>	947	20.0	27.0	29.9	23.1	49.8	50.2	1679	19.2	25.6	32.8	22.5	52.0	48.0	MT880673
<i>Salvelinus alpinus</i>	947	20.0	27.0	29.9	23.1	49.8	50.2	1679	19.2	25.6	32.8	22.5	52.0	48.0	MT880674
<i>Salvelinus alpinus</i>	947	20.0	27.0	30.0	23.0	49.9	50.1	1679	19.2	25.6	32.8	22.4	52.1	47.9	MT880675
<i>Salvelinus alpinus</i>	947	20.0	27.0	29.9	23.1	49.8	50.2	1679	19.2	25.6	32.8	22.5	52.0	48.0	MT880676
<i>Salvelinus alpinus</i>	947	20.0	27.0	29.9	23.1	49.8	50.2	1679	19.2	25.6	32.8	22.5	52.0	48.0	MT880679
<i>Salvelinus alpinus</i>	947	20.0	27.1	29.8	23.1	49.7	50.3	1679	19.4	25.4	32.8	22.5	52.1	47.9	MT880680
<i>Salvelinus alpinus</i>	947	20.0	27.0	29.9	23.1	49.8	50.2	1679	19.2	25.6	32.8	22.5	52.0	48.0	MT880683
<i>Salvelinus alpinus</i>	947	20.0	27.1	29.8	23.1	49.7	50.3	1679	19.4	25.4	32.7	22.5	52.1	47.9	MT880685
<i>Salvelinus alpinus</i>	947	20.0	27.0	29.9	23.1	49.8	50.2	1679	19.2	25.6	32.8	22.5	52.0	48.0	MT880688
<i>Salvelinus alpinus</i>	947	20.0	27.0	29.9	23.1	49.8	50.2	1679	19.2	25.6	32.8	22.5	52.0	48.0	MT880689
<i>Salvelinus alpinus</i>	947	20.0	27.0	29.9	23.1	49.8	50.2	1679	19.2	25.6	32.8	22.5	52.0	48.0	MT880690
<i>Salvelinus alpinus</i>	947	20.0	27.1	29.8	23.1	49.7	50.3	1679	19.4	25.4	32.7	22.5	52.1	47.9	MT880691
<i>Salvelinus alpinus</i>	947	20.0	27.0	29.9	23.1	49.8	50.2	1679	19.2	25.6	32.9	22.3	52.1	47.9	MT880692
<i>Salvelinus alpinus</i>	947	20.0	27.0	29.9	23.1	49.8	50.2	1679	19.2	25.6	32.8	22.5	52.0	48.0	MT880699
<i>Salvelinus alpinus</i>	947	20.0	27.0	29.9	23.1	49.8	50.2	1679	19.2	25.6	32.8	22.5	52.0	48.0	MT880700
<i>Salvelinus alpinus</i>	947	20.0	27.0	29.9	23.1	49.8	50.2	1679	19.2	25.6	32.8	22.5	52.0	48.0	MT880702
<i>Salvelinus alpinus</i>	947	20.0	27.0	29.9	23.1	49.8	50.2	1679	19.2	25.6	32.8	22.5	52.0	48.0	MT880703
<i>Salvelinus alpinus</i>	947	20.0	27.0	29.9	23.1	49.8	50.2	1679	19.2	25.6	32.8	22.5	52.0	48.0	MT880705
<i>Salvelinus alpinus</i>	947	20.0	27.1	29.8	23.1	49.7	50.3	1679	19.4	25.4	32.7	22.5	52.1	47.9	MT880708
<i>Salvelinus alpinus</i>	947	20.0	27.1	29.8	23.1	49.7	50.3	1679	19.4	25.4	32.8	22.5	52.1	47.9	MT880710
<i>Salvelinus alpinus</i>	947	20.0	27.1	29.8	23.1	49.7	50.3	1679	19.4	25.4	32.7	22.5	52.1	47.9	MT880711
<i>Salvelinus alpinus</i>	947	20.0	27.1	29.8	23.1	49.7	50.3	1679	19.4	25.4	32.8	22.5	52.1	47.9	MT880714
<i>Salvelinus alpinus</i>	947	20.0	27.1	29.8	23.1	49.7	50.3	1679	19.4	25.4	32.8	22.5	52.1	47.9	MT880720
<i>Salvelinus alpinus</i>	947	20.0	27.1	29.9	23.0	49.8	50.2	1679	19.4	25.4	32.7	22.5	52.1	47.9	MT880721
<i>Salvelinus alpinus</i>	947	20.0	27.1	29.8	23.1	49.7	50.3	1680	19.3	25.5	32.7	22.5	52.0	48.0	NC 000861
<i>Salvelinus alpinus</i>	947	20.0	27.1	29.8	23.1	49.7	50.3	1680	19.3	25.5	32.7	22.5	52.0	48.0	AF154851
<i>Salvelinus alpinus</i>	947	20.0	27.0	29.9	23.1	49.8	50.2	1689	19.2	25.5	32.7	22.6	51.9	48.1	MF621741
<i>Salvelinus alpinus</i>	947	20.2	26.9	29.9	23.0	50.1	49.9	1689	19.4	25.3	32.6	22.7	51.9	48.1	MF621743
<i>Salvelinus alpinus</i>	947	20.0	27.0	29.9	23.1	49.8	50.2	1679	19.3	25.5	32.8	22.5	52.1	47.9	MN530962
<i>Salvelinus alpinus</i>	947	20.0	27.0	29.9	23.1	49.8	50.2	1679	19.2	25.6	32.8	22.5	52.0	48.0	MN530963
<i>Salvelinus alpinus</i>	947	20.0	27.1	29.8	23.1	49.7	50.3	1679	19.4	25.4	32.7	22.5	52.1	47.9	MT880634
<i>Salvelinus alpinus</i>	947	20.0	27.1	29.8	23.1	49.7	50.3	1679	19.4	25.4	32.7	22.5	52.1	47.9	MT880636
<i>Salvelinus alpinus</i>	947	20.0	27.0	29.9	23.1	49.8	50.2	1679	19.2	25.6	32.8	22.5	52.0	48.0	MT880637

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<i>Salvelinus alpinus</i>	947	20.0	27.1	29.8	23.1	49.7	50.3	1679	19.4	25.4	32.7	22.5	52.1	47.9	MT880713
<i>Salvelinus alpinus</i>	947	20.0	27.1	29.8	23.1	49.7	50.3	1679	19.4	25.4	32.7	22.5	52.1	47.9	MT880715
<i>Salvelinus alpinus</i>	947	20.0	27.1	29.9	23.0	49.8	50.2	1679	19.3	25.4	32.8	22.5	52.1	47.9	MT880716
<i>Salvelinus alpinus</i>	947	20.0	27.1	29.8	23.1	49.7	50.3	1679	19.4	25.4	32.8	22.5	52.1	47.9	MT880717
<i>Salvelinus alpinus</i>	947	20.0	27.1	29.8	23.1	49.7	50.3	1679	19.4	25.4	32.8	22.5	52.1	47.9	MT880718
<i>Salvelinus alpinus</i>	947	20.0	27.1	29.8	23.1	49.7	50.3	1679	19.4	25.4	32.8	22.5	52.1	47.9	MT880719
<i>Salvelinus alpinus</i>	947	20.0	27.1	29.9	23.0	49.8	50.2	1679	19.3	25.4	32.8	22.5	52.1	47.9	MT880722
<i>Salvelinus alpinus</i>	947	20.0	27.1	29.9	23.0	49.8	50.2	1679	19.4	25.4	32.8	22.5	52.1	47.9	MT880723
<i>Salvelinus alpinus</i>	947	20.0	27.1	29.8	23.1	49.7	50.3	1679	19.3	25.5	32.7	22.5	52.0	48.0	MT880724
<i>Salvelinus alpinus alpinus</i>	947	20.0	27.1	29.8	23.1	49.7	50.3	1679	19.4	25.4	32.7	22.5	52.1	47.9	MN957796
<i>Salvelinus alpinus alpinus</i>	947	20.0	27.1	29.8	23.1	49.7	50.3	1679	19.4	25.4	32.7	22.5	52.1	47.9	MN957795
<i>Salvelinus alpinus alpinus</i>	947	20.0	27.1	29.8	23.1	49.7	50.3	1679	19.4	25.4	32.7	22.5	52.1	47.9	MN957797
<i>Salvelinus alpinus erythrinus</i>	947	20.0	27.0	29.9	23.1	49.8	50.2	1679	19.2	25.6	32.8	22.5	52.0	48.0	MW664921
<i>Salvelinus alpinus erythrinus</i>	947	20.0	27.0	29.9	23.1	49.8	50.2	1679	19.2	25.6	32.8	22.5	52.0	48.0	MW664922
<i>Salvelinus boganidae</i>	947	20.0	27.0	29.9	23.1	49.8	50.2	1679	19.2	25.6	32.6	22.6	51.9	48.1	NC 046706
<i>Salvelinus boganidae</i>	947	20.0	27.0	29.9	23.1	49.8	50.2	1679	19.2	25.6	32.6	22.6	51.9	48.1	MK695623
<i>Salvelinus curilus</i>	947	19.9	27.2	29.9	23.0	49.7	50.3	1679	19.2	25.6	32.5	22.7	51.8	48.2	KJ746619
<i>Salvelinus curilus</i>	947	19.9	27.2	29.9	23.0	49.7	50.3	1679	19.2	25.6	32.5	22.7	51.8	48.2	NC 024585
<i>Salvelinus elgyticus</i>	947	20.0	27.0	29.9	23.1	49.8	50.2	1679	19.2	25.6	32.6	22.6	51.9	48.1	MK695624
<i>Salvelinus elgyticus</i>	947	20.0	27.0	29.9	23.1	49.8	50.2	1679	19.2	25.6	32.6	22.6	51.9	48.1	NC 046707
<i>Salvelinus elgyticus</i>	947	19.7	27.2	30.0	23.0	49.7	50.3	1679	19.2	25.6	32.6	22.6	51.9	48.1	MK695625
<i>Salvelinus fontinalis</i>	947	20.1	27.0	30.2	22.7	50.3	49.7	1680	19.3	25.2	33.0	22.5	52.3	47.7	AF154850
<i>Salvelinus fontinalis</i>	947	20.1	27.0	30.3	22.6	50.4	49.6	1689	19.3	25.1	32.8	22.8	52.1	47.9	MF621737
<i>Salvelinus fontinalis</i>	947	20.1	27.0	30.2	22.7	50.3	49.7	1689	19.3	25.1	33.0	22.6	52.3	47.7	MF621739
<i>Salvelinus fontinalis</i>	947	20.1	27.0	30.2	22.7	50.3	49.7	1680	19.3	25.2	33.0	22.5	52.3	47.7	NC 000860
<i>Salvelinus fontinalis</i>	947	20.1	27.0	30.2	22.7	50.3	49.7	1689	19.3	25.1	33.0	22.6	52.3	47.7	MF621738
<i>Salvelinus fontinalis</i> x <i>Salvelinus malma</i>	947	20.1	27.0	30.2	22.7	50.3	49.7	1689	19.1	25.4	32.9	22.6	52.0	48.0	MK270623
<i>Salvelinus fontinalis</i> x <i>Salvelinus malma</i>	947	20.1	27.0	30.2	22.7	50.3	49.7	1689	19.1	25.4	32.9	22.6	52.0	48.0	NC 042195
<i>Salvelinus kuznetzovi</i>	947	20.1	27.0	29.9	23.0	49.9	50.1	1679	19.4	25.4	32.6	22.6	51.9	48.1	KU674352
<i>Salvelinus kuznetzovi</i>	947	20.1	27.0	29.9	23.0	49.9	50.1	1679	19.4	25.4	32.6	22.6	51.9	48.1	KU674351
<i>Salvelinus kuznetzovi</i>	947	20.1	27.0	29.9	23.0	49.9	50.1	1679	19.4	25.4	32.6	22.6	51.9	48.1	NC 029877
<i>Salvelinus leucomaenis</i>	947	20.1	27.0	30.2	22.7	50.3	49.7	1679	19.3	25.2	33.0	22.5	52.3	47.7	KF513161
<i>Salvelinus leucomaenis</i>	947	20.1	27.0	30.0	22.9	50.1	49.9	1679	19.2	25.6	32.7	22.5	51.9	48.1	KF974451

<i>Salvelinus leucomaenis</i>	947	20.0	27.1	29.9	23.0	49.8	50.2	1679	19.2	25.6	32.8	22.5	52.0	48.0	KF974452
<i>Salvelinus leucomaenis</i>	947	20.1	27.0	30.0	22.9	50.1	49.9	1679	19.2	25.6	32.7	22.5	51.9	48.1	MN972433
<i>Salvelinus leucomaenis</i>	947	20.1	27.0	30.0	22.9	50.1	49.9	1679	19.2	25.6	32.7	22.5	51.9	48.1	MN972434
<i>Salvelinus leucomaenis</i>	947	20.1	27.0	30.0	22.9	50.1	49.9	1679	19.2	25.6	32.7	22.5	51.9	48.1	MN972435
<i>Salvelinus leucomaenis</i>	947	20.1	27.0	30.2	22.7	50.3	49.7	1679	19.3	25.2	33.0	22.5	52.3	47.7	NC 022844
<i>Salvelinus levanidovi</i>	947	20.0	27.1	29.9	23.0	49.8	50.2	1679	19.2	25.5	32.9	22.4	52.1	47.9	MK695626
<i>Salvelinus levanidovi</i>	947	20.0	27.1	29.9	23.0	49.8	50.2	1679	19.2	25.5	32.9	22.4	52.1	47.9	NC 046708
<i>Salvelinus malma</i>	947	20.1	27.0	29.9	23.0	49.9	50.1	1679	19.4	25.4	32.6	22.6	52.0	48.0	KJ746618
<i>Salvelinus malma</i>	947	19.9	27.2	29.9	23.0	49.7	50.3	1679	19.3	25.5	32.7	22.5	52.0	48.0	MF680544
<i>Salvelinus malma</i>	947	20.1	27.0	29.9	23.0	49.9	50.1	1679	19.4	25.4	32.6	22.6	52.0	48.0	MN530959
<i>Salvelinus malma</i>	947	20.1	27.0	29.9	23.0	49.9	50.1	1679	19.4	25.4	32.6	22.6	52.0	48.0	MN530960
<i>Salvelinus malma</i>	947	20.1	27.0	29.9	23.0	49.9	50.1	1679	19.4	25.4	32.6	22.6	52.0	48.0	MN530961
<i>Salvelinus malma</i>	947	19.9	27.2	29.9	23.0	49.7	50.3	1679	19.3	25.5	32.7	22.5	52.0	48.0	NC 037502
<i>Salvelinus namaycush</i>	947	20.1	27.1	29.7	23.1	49.7	50.3	1689	19.2	25.5	32.6	22.7	51.9	48.1	MF621745
<i>Salvelinus namaycush</i>	948	20.1	27.1	29.5	23.2	49.7	50.3	1689	19.2	25.5	32.7	22.6	51.9	48.1	MF621742
<i>Salvelinus namaycush</i>	947	20.1	27.1	29.7	23.1	49.7	50.3	1689	19.2	25.5	32.6	22.7	51.9	48.1	MF621744
<i>Salvelinus namaycush</i>	948	20.1	27.1	29.6	23.1	49.8	50.2	1689	19.2	25.5	32.6	22.7	51.9	48.1	MF621746
<i>Salvelinus namaycush</i>	947	20.1	27.1	29.7	23.1	49.7	50.3	1689	19.2	25.5	32.7	22.6	51.9	48.1	MF621747
<i>Salvelinus namaycush</i>	948	20.1	27.1	29.6	23.1	49.8	50.2	1689	19.2	25.5	32.7	22.6	51.9	48.1	MF621748
<i>Salvelinus namaycush</i>	948	20.1	27.1	29.5	23.2	49.7	50.3	1689	19.2	25.5	32.7	22.6	51.9	48.1	NC 036392
<i>Salvelinus schmidt</i>	947	20.2	26.9	29.9	23.0	50.1	49.9	1679	19.4	25.4	32.6	22.6	52.0	48.0	MW664923
<i>Salvelinus schmidt</i>	947	20.2	26.9	29.9	23.0	50.1	49.9	1679	19.4	25.4	32.6	22.6	52.0	48.0	MW664924
<i>Salvelinus schmidt</i>	947	20.2	26.9	29.9	23.0	50.1	49.9	1679	19.4	25.4	32.6	22.6	52.0	48.0	NC 059927
<i>Salvelinus sp.</i>	947	20.0	27.0	30.0	23.0	49.9	50.1	1679	19.2	25.6	32.7	22.5	51.9	48.1	MW181766
<i>Salvelinus sp.</i>	947	20.0	27.0	29.9	23.1	49.8	50.2	1679	19.2	25.6	32.7	22.5	51.9	48.1	MW181767
<i>Salvelinus sp.</i>	947	20.0	27.0	30.0	23.0	49.9	50.1	1679	19.2	25.6	32.7	22.5	51.9	48.1	MW181768
<i>Salvelinus taranetzi</i>	947	20.0	27.0	29.9	23.1	49.8	50.2	1679	19.2	25.6	32.7	22.5	51.9	48.1	MK695630
<i>Salvelinus taranetzi</i>	947	20.0	27.0	30.0	23.0	49.9	50.1	1679	19.2	25.6	32.7	22.5	51.9	48.1	MK695631
<i>Salvelinus taranetzi</i>	947	20.0	27.0	29.9	23.1	49.8	50.2	1679	19.2	25.6	32.7	22.5	51.9	48.1	NC 046710
<i>Salvethymus svetovidovi</i>	947	19.9	27.1	29.8	23.2	49.6	50.4	1680	19.3	25.5	32.5	22.6	51.8	48.2	MK695628
<i>Salvethymus svetovidovi</i>	947	19.9	27.1	29.8	23.2	49.6	50.4	1680	19.3	25.5	32.5	22.6	51.8	48.2	MK695629
<i>Salvethymus svetovidovi</i>	947	19.9	27.1	29.8	23.2	49.6	50.4	1680	19.3	25.5	32.5	22.6	51.8	48.2	NC 046709
<i>Salvethymus svetovidovi</i>	947	19.9	27.1	29.8	23.2	49.6	50.4	1680	19.3	25.5	32.5	22.6	51.8	48.2	MK695627
<i>Stenodus leucichthys</i>	947	20.5	27.1	29.3	23.1	49.7	50.3	1679	19.4	25.6	31.7	23.3	51.0	49.0	JQ390059

<i>Stenodus leucichthys</i>	947	20.5	27.1	29.3	23.1	49.7	50.3	1679	19.4	25.6	31.7	23.3	51.0	49.0	NC 020761
<i>Thymallus aeliani</i>	946	20.1	27.3	29.4	23.3	49.5	50.5	1678	19.8	25.2	32.1	22.8	52.0	48.0	MT063008
<i>Thymallus aeliani</i>	946	20.1	27.3	29.4	23.3	49.5	50.5	1678	19.8	25.2	32.1	22.8	52.0	48.0	MT063009
<i>Thymallus aeliani</i>	946	20.1	27.3	29.4	23.3	49.5	50.5	1678	19.8	25.2	32.1	22.8	52.0	48.0	NC 056304
<i>Thymallus arcticus</i>	946	20.3	27.1	29.5	23.2	49.8	50.2	1679	19.9	25.2	32.2	22.8	52.1	47.9	MF621754
<i>Thymallus arcticus</i>	946	20.3	27.1	29.4	23.3	49.7	50.3	1679	19.9	25.2	32.2	22.7	52.1	47.9	MF621755
<i>Thymallus arcticus</i>	946	20.3	27.1	29.5	23.2	49.8	50.2	1679	19.9	25.2	32.2	22.8	52.1	47.9	MF621758
<i>Thymallus arcticus</i>	946	20.3	27.1	29.6	23.0	49.9	50.1	1679	20.0	25.2	32.2	22.6	52.2	47.8	MT063011
<i>Thymallus arcticus</i>	946	20.3	27.1	29.5	23.2	49.8	50.2	1679	20.0	25.1	32.3	22.6	52.3	47.7	MT063014
<i>Thymallus arcticus</i>	946	20.4	27.0	29.6	23.0	50.0	50.0	1679	20.0	25.1	32.2	22.7	52.2	47.8	MT063015
<i>Thymallus arcticus</i>	946	20.4	27.0	29.6	23.0	50.0	50.0	1679	20.0	25.1	32.3	22.6	52.4	47.6	MT063017
<i>Thymallus arcticus</i>	946	20.3	27.1	29.5	23.2	49.8	50.2	1680	19.7	25.3	32.1	22.9	51.8	48.2	FJ872559
<i>Thymallus arcticus</i>	946	20.2	27.2	29.7	22.9	49.9	50.1	1679	20.0	25.1	32.3	22.6	52.3	47.7	KJ866481
<i>Thymallus arcticus</i>	946	20.3	27.1	29.5	23.2	49.8	50.2	1679	19.9	25.2	32.1	22.8	52.0	48.0	MF621752
<i>Thymallus arcticus</i>	946	20.3	27.1	29.5	23.2	49.8	50.2	1679	19.9	25.2	32.2	22.8	52.1	47.9	MF621753
<i>Thymallus arcticus</i>	946	20.3	27.1	29.4	23.3	49.7	50.3	1679	19.9	25.2	32.2	22.7	52.1	47.9	MF621756
<i>Thymallus arcticus</i>	946	20.3	27.1	29.5	23.2	49.8	50.2	1679	19.9	25.2	32.2	22.8	52.1	47.9	MF621757
<i>Thymallus arcticus</i>	946	20.4	27.0	29.5	23.2	49.9	50.1	1680	19.9	25.2	32.2	22.6	52.1	47.9	MT063010
<i>Thymallus arcticus</i>	946	20.4	27.0	29.5	23.2	49.9	50.1	1679	20.0	25.1	32.3	22.5	52.4	47.6	MT063012
<i>Thymallus arcticus</i>	946	20.3	27.2	29.5	23.0	49.8	50.2	1679	20.0	25.1	32.3	22.6	52.3	47.7	MT063013
<i>Thymallus arcticus</i>	946	20.4	27.0	29.6	23.0	50.0	50.0	1679	20.0	25.1	32.3	22.6	52.3	47.7	MT063016
<i>Thymallus arcticus</i>	946	20.4	27.0	29.5	23.2	49.9	50.1	1680	19.9	25.2	32.2	22.6	52.1	47.9	NC 056305
<i>Thymallus baicalensis</i>	947	20.1	27.2	29.8	22.9	49.8	50.2	1679	19.8	25.1	32.4	22.7	52.2	47.8	MT063022
<i>Thymallus baicalensis</i>	947	20.1	27.2	29.8	22.9	49.8	50.2	1679	19.8	25.1	32.4	22.7	52.2	47.8	MT063024
<i>Thymallus baicalensis</i>	947	20.1	27.2	29.8	22.9	49.8	50.2	1679	19.8	25.1	32.4	22.7	52.2	47.8	NC 056306
<i>Thymallus baicalensis</i>	947	20.1	27.2	29.8	22.9	49.8	50.2	1679	19.8	25.0	32.5	22.7	52.3	47.7	MT063023
<i>Thymallus baicalensis</i>	947	20.1	27.2	29.7	23.0	49.7	50.3	1679	19.9	25.1	32.4	22.6	52.3	47.7	MT063025
<i>Thymallus baicalensis</i>	947	20.1	27.2	29.7	23.0	49.7	50.3	1678	19.9	25.0	32.5	22.6	52.4	47.6	MT063026
<i>Thymallus baicalensis</i>	947	20.1	27.2	29.8	22.9	49.8	50.2	1679	19.8	25.1	32.4	22.7	52.2	47.8	MT063027
<i>Thymallus baicalolenensis</i>	946	20.4	27.0	29.5	23.2	49.9	50.1	1679	20.0	25.1	32.2	22.8	52.2	47.8	KY078221
<i>Thymallus baicalolenensis</i>	946	20.4	27.0	29.5	23.2	49.9	50.1	1679	20.0	25.1	32.1	22.8	52.1	47.9	MT063021
<i>Thymallus baicalolenensis</i>	946	20.4	27.0	29.5	23.2	49.9	50.1	1679	20.1	25.0	32.1	22.8	52.2	47.8	KJ866482
<i>Thymallus baicalolenensis</i>	946	20.4	27.0	29.6	23.0	50.0	50.0	1679	20.0	25.1	32.1	22.8	52.1	47.9	MT063018
<i>Thymallus baicalolenensis</i>	946	20.3	27.1	29.5	23.2	49.8	50.2	1679	20.0	25.1	32.1	22.8	52.1	47.9	MT063019

<i>Thymallus baicalolenensis</i>	946	20.3	27.1	29.5	23.2	49.8	50.2	1679	20.1	25.0	32.2	22.8	52.2	47.8	MT063020
<i>Thymallus baicalolenensis</i>	946	20.4	27.0	29.5	23.2	49.9	50.1	1679	20.0	25.1	32.2	22.8	52.2	47.8	NC 034294
<i>Thymallus brevicephalus</i>	946	20.3	27.1	29.7	22.9	50.0	50.0	1679	20.0	25.0	32.4	22.6	52.4	47.6	MT063034
<i>Thymallus brevicephalus</i>	946	20.3	27.1	29.7	22.9	50.0	50.0	1679	20.0	25.0	32.4	22.6	52.4	47.6	NC 056310
<i>Thymallus brevicephalus</i>	946	20.3	27.1	29.7	22.9	50.0	50.0	1679	20.1	25.0	32.3	22.6	52.4	47.6	MT063035
<i>Thymallus brevicephalus</i>	946	20.3	27.1	29.7	22.9	50.0	50.0	1679	20.0	25.1	32.3	22.6	52.4	47.6	MT063036
<i>Thymallus brevirostris</i>	946	20.2	27.2	29.8	22.8	50.0	50.0	1679	20.0	25.1	32.4	22.5	52.4	47.6	KJ866486
<i>Thymallus brevirostris</i>	946	20.2	27.2	29.8	22.8	50.0	50.0	1678	20.1	25.1	32.2	22.6	52.3	47.7	MH027384
<i>Thymallus brevirostris</i>	946	20.2	27.2	29.8	22.8	50.0	50.0	1679	20.0	25.1	32.3	22.6	52.3	47.7	MT063033
<i>Thymallus brevirostris</i>	946	20.2	27.2	29.8	22.8	50.0	50.0	1679	20.0	25.1	32.4	22.5	52.4	47.6	NC 027412
<i>Thymallus burejensis</i>	947	20.3	27.1	29.5	23.1	49.7	50.3	1679	20.0	25.1	32.2	22.8	52.2	47.8	MT063037
<i>Thymallus burejensis</i>	947	20.3	27.2	29.5	23.0	49.7	50.3	1679	20.0	25.0	32.3	22.8	52.3	47.7	NC 027411
<i>Thymallus burejensis</i>	947	20.3	27.2	29.5	23.0	49.7	50.3	1679	20.0	25.0	32.3	22.8	52.3	47.7	KJ866485
<i>Thymallus burejensis</i>	947	20.3	27.1	29.5	23.1	49.7	50.3	1679	20.0	25.1	32.2	22.8	52.2	47.8	KY078220
<i>Thymallus grubii</i>	947	20.4	27.1	29.4	23.1	49.7	50.3	1679	20.0	25.1	32.1	22.8	52.1	47.9	KY078219
<i>Thymallus grubii</i>	947	20.4	27.1	29.5	23.0	49.8	50.2	1679	20.0	25.1	32.3	22.6	52.2	47.8	KF649073
<i>Thymallus grubii</i>	947	20.5	27.0	29.5	23.0	49.9	50.1	1679	20.0	25.1	32.3	22.6	52.3	47.7	KF692113
<i>Thymallus grubii</i>	947	20.4	27.1	29.4	23.1	49.7	50.3	1679	20.0	25.1	32.2	22.8	52.2	47.8	MT063038
<i>Thymallus grubii</i>	947	20.4	27.1	29.5	23.0	49.8	50.2	1679	20.0	25.1	32.3	22.6	52.2	47.8	NC 022925
<i>Thymallus grubii flavomaculatus</i>	946	20.5	27.0	29.4	23.2	49.9	50.1	1679	19.9	25.2	32.2	22.8	52.1	47.9	KU674353
<i>Thymallus grubii flavomaculatus</i>	947	20.6	27.1	29.4	22.9	49.9	50.1	1679	19.9	25.1	32.3	22.6	52.2	47.8	KY078215
<i>Thymallus grubii flavomaculatus</i>	946	20.5	27.0	29.4	23.2	49.9	50.1	1679	19.9	25.2	32.2	22.8	52.1	47.9	KY078216
<i>Thymallus grubii flavomaculatus</i>	947	20.5	27.1	29.4	23.0	49.8	50.2	1679	19.9	25.2	32.3	22.6	52.2	47.8	MT063039
<i>Thymallus grubii flavomaculatus</i>	946	20.5	27.0	29.4	23.2	49.9	50.1	1679	19.9	25.2	32.2	22.8	52.1	47.9	KU674354
<i>Thymallus ligericus</i>	946	20.4	27.0	29.5	23.2	49.9	50.1	1679	20.1	25.0	32.2	22.7	52.3	47.7	MT063046
<i>Thymallus ligericus</i>	946	20.3	27.0	29.6	23.2	49.9	50.1	1679	20.1	25.0	32.3	22.6	52.4	47.6	MT063053
<i>Thymallus ligericus</i>	946	20.4	27.0	29.5	23.2	49.9	50.1	1679	20.1	25.0	32.2	22.7	52.3	47.7	MT063007
<i>Thymallus ligericus</i>	946	20.4	27.0	29.5	23.2	49.9	50.1	1679	20.1	25.0	32.3	22.6	52.4	47.6	MT063047
<i>Thymallus ligericus</i>	946	20.4	27.0	29.5	23.2	49.9	50.1	1679	20.1	25.0	32.3	22.6	52.4	47.6	MT063048
<i>Thymallus ligericus</i>	946	20.4	27.0	29.5	23.2	49.9	50.1	1679	20.1	25.0	32.2	22.6	52.4	47.6	MT063049
<i>Thymallus ligericus</i>	946	20.4	27.0	29.5	23.2	49.9	50.1	1679	20.1	25.0	32.2	22.6	52.4	47.6	MT063050
<i>Thymallus ligericus</i>	946	20.3	27.0	29.6	23.2	49.9	50.1	1679	20.1	25.0	32.3	22.6	52.4	47.6	MT063051
<i>Thymallus ligericus</i>	946	20.4	27.0	29.5	23.2	49.9	50.1	1679	20.1	25.0	32.3	22.6	52.4	47.6	MT063052
<i>Thymallus ligericus</i>	946	20.4	27.0	29.5	23.2	49.9	50.1	1679	20.1	25.0	32.2	22.7	52.3	47.7	NC 056303

<i>Thymallus nigrescens</i>	947	20.2	27.1	29.8	22.9	49.9	50.1	1679	19.9	25.0	32.5	22.6	52.4	47.6	MT063028
<i>Thymallus nigrescens</i>	947	20.2	27.1	29.8	22.9	49.9	50.1	1679	19.9	25.0	32.5	22.6	52.4	47.6	NC 056307
<i>Thymallus nikolskyi</i>	947	20.1	27.3	29.6	23.0	49.6	50.4	1679	20.0	25.1	32.3	22.6	52.3	47.7	MT063029
<i>Thymallus nikolskyi</i>	944	20.0	27.3	29.7	23.0	49.7	50.3	1679	20.0	25.1	32.3	22.6	52.3	47.7	MT063030
<i>Thymallus nikolskyi</i>	947	20.1	27.3	29.6	23.0	49.6	50.4	1679	20.0	25.1	32.3	22.6	52.3	47.7	NC 056308
<i>Thymallus pallasi</i>	946	20.4	27.0	29.5	23.2	49.9	50.1	1679	20.1	25.0	32.1	22.8	52.2	47.8	NC 027408
<i>Thymallus svetovidovi</i>	947	20.1	27.3	29.7	22.9	49.7	50.3	1679	20.0	25.1	32.3	22.6	52.3	47.7	MT063032
<i>Thymallus svetovidovi</i>	947	20.1	27.3	29.7	22.9	49.7	50.3	1679	20.0	25.1	32.3	22.6	52.3	47.7	MT063031
<i>Thymallus svetovidovi</i>	947	20.1	27.3	29.7	22.9	49.7	50.3	1679	20.0	25.1	32.3	22.6	52.3	47.7	NC 056309
<i>Thymallus thymallus</i>	946	20.1	27.2	29.6	23.2	49.7	50.3	1678	19.9	25.2	32.2	22.7	52.1	47.9	FJ853655
<i>Thymallus thymallus</i>	946	20.3	27.0	29.6	23.2	49.9	50.1	1679	20.1	25.1	32.0	22.8	52.1	47.9	MT062994
<i>Thymallus thymallus</i>	946	20.1	27.2	29.6	23.2	49.7	50.3	1679	20.0	25.1	32.3	22.6	52.4	47.6	MT062995
<i>Thymallus thymallus</i>	946	20.1	27.2	29.6	23.2	49.7	50.3	1680	20.0	25.1	32.3	22.6	52.3	47.7	MT062999
<i>Thymallus thymallus</i>	946	20.1	27.2	29.7	23.0	49.8	50.2	1679	20.0	25.1	32.3	22.6	52.3	47.7	MT063000
<i>Thymallus thymallus</i>	946	20.2	27.1	29.8	22.9	50.0	50.0	1679	20.1	25.0	32.3	22.6	52.4	47.6	MT063001
<i>Thymallus thymallus</i>	946	20.2	27.1	29.6	23.2	49.8	50.2	1679	20.1	25.0	32.3	22.6	52.4	47.6	MT063002
<i>Thymallus thymallus</i>	946	20.2	27.1	29.8	22.9	50.0	50.0	1679	20.1	25.0	32.3	22.6	52.4	47.6	MT063004
<i>Thymallus thymallus</i>	946	20.2	27.1	29.7	23.0	49.9	50.1	1679	19.9	25.2	32.4	22.5	52.3	47.7	MT063041
<i>Thymallus thymallus</i>	946	20.1	27.2	29.7	23.0	49.8	50.2	1679	20.1	25.0	32.5	22.5	52.5	47.5	MT063045
<i>Thymallus thymallus</i>	946	20.2	27.1	29.7	23.0	49.9	50.1	1679	20.0	25.1	32.3	22.6	52.3	47.7	MT062993
<i>Thymallus thymallus</i>	944	20.3	26.9	29.7	23.1	50.0	50.0	1679	20.1	25.1	32.0	22.8	52.1	47.9	MT062996
<i>Thymallus thymallus</i>	946	20.3	26.8	29.6	23.3	49.9	50.1	1680	20.1	25.1	32.1	22.7	52.2	47.8	MT062997
<i>Thymallus thymallus</i>	946	20.3	26.8	29.6	23.3	49.9	50.1	1680	20.1	25.1	32.1	22.7	52.2	47.8	MT062998
<i>Thymallus thymallus</i>	946	20.1	27.2	29.7	23.0	49.8	50.2	1679	20.1	25.0	32.3	22.6	52.4	47.6	MT063003
<i>Thymallus thymallus</i>	946	20.1	27.2	29.7	23.0	49.8	50.2	1679	20.0	25.1	32.3	22.6	52.4	47.6	MT063005
<i>Thymallus thymallus</i>	946	20.1	27.2	29.6	23.2	49.7	50.3	1679	19.9	25.2	32.5	22.5	52.4	47.6	MT063006
<i>Thymallus thymallus</i>	946	20.2	27.1	29.7	23.0	49.9	50.1	1679	19.9	25.2	32.4	22.5	52.3	47.7	MT063040
<i>Thymallus thymallus</i>	946	20.1	27.2	29.6	23.2	49.7	50.3	1679	19.9	25.2	32.5	22.5	52.4	47.6	MT063042
<i>Thymallus thymallus</i>	946	20.2	27.1	29.7	23.0	49.9	50.1	1678	19.9	25.2	32.4	22.5	52.3	47.7	MT063043
<i>Thymallus thymallus</i>	946	20.1	27.1	29.8	23.0	49.9	50.1	1679	20.0	25.1	32.3	22.6	52.4	47.6	MT063044
<i>Thymallus thymallus</i>	946	20.1	27.2	29.7	23.0	49.8	50.2	1679	20.0	25.1	32.3	22.6	52.4	47.6	MT410870
<i>Thymallus thymallus</i>	946	20.1	27.2	29.6	23.2	49.7	50.3	1678	19.9	25.2	32.2	22.7	52.1	47.9	NC 012928
<i>Thymallus tugarinae</i>	947	20.3	27.2	29.5	23.0	49.7	50.3	1679	20.0	25.0	32.3	22.8	52.3	47.7	NC 027409
<i>Thymallus tugarinae</i>	947	20.3	27.2	29.5	23.0	49.7	50.3	1679	20.0	25.0	32.3	22.8	52.3	47.7	KJ866483

<i>Thymallus tugarinae</i>	947	20.3	27.2	29.5	23.0	49.7	50.3	1679	20.0	25.0	32.3	22.8	52.3	47.7	KY078217
<i>Thymallus tugarinae</i>	947	19.9	27.6	29.6	23.0	49.4	50.6	1679	20.0	24.9	32.3	22.8	52.3	47.7	KY078218
<i>Thymallus yaluensis</i>	947	20.3	27.1	29.4	23.2	49.6	50.4	1679	19.8	25.3	32.3	22.6	52.1	47.9	KJ866484
<i>Thymallus yaluensis</i>	947	20.3	27.1	29.4	23.2	49.6	50.4	1679	19.8	25.3	32.3	22.6	52.1	47.9	NC 027410

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**Table S4.** Nucleotide composition of the Control Region in Salmonids.

Species	Length	%T(U)	%C	%A	%G	%AT	%GC	Accession ID
<i>Brachymystax lenok</i>	1172	31.2	22.8	32.6	13.4	63.8	36.2	JQ686730
<i>Brachymystax lenok</i>	1172	31.2	22.8	32.6	13.4	63.8	36.2	NC 018341
<i>Brachymystax lenok tsinlingensis</i>	1088	30.8	23.0	32.8	13.4	63.6	36.4	JQ675732
<i>Brachymystax lenok tsinlingensis</i>	1009	31.0	22.6	32.3	14.1	63.3	36.7	JQ686731
<i>Brachymystax lenok tsinlingensis</i>	1009	31.0	22.6	32.3	14.1	63.3	36.7	NC 018342
<i>Brachymystax tsinlingensis</i>	1175	31.3	22.6	33.1	13.0	64.4	35.6	KY124134
<i>Brachymystax tumensis</i>	1175	31.2	22.7	32.9	13.2	64.1	35.9	KJ730524
<i>Brachymystax tumensis</i>	1093	31.5	22.4	32.6	13.5	64.0	36.0	KJ730525
<i>Brachymystax tumensis</i>	1175	31.2	22.7	32.9	13.2	64.1	35.9	NC 024674
<i>Coregonus artedi</i>	1160	30.5	24.0	31.3	14.2	61.8	38.2	MF621765
<i>Coregonus artedi</i>	1159	30.5	23.8	31.3	14.4	61.8	38.2	MF621766
<i>Coregonus artedi</i>	1160	30.5	23.8	31.3	14.4	61.8	38.2	MH301055
<i>Coregonus artedi</i>	1257	31.0	23.5	32.1	13.4	63.1	36.9	MH301056
<i>Coregonus artedi</i>	1160	30.5	23.8	31.3	14.4	61.8	38.2	MW856899
<i>Coregonus artedi</i>	1160	30.5	24.0	31.3	14.2	61.8	38.2	MW856900
<i>Coregonus artedi</i>	1160	30.5	24.0	31.3	14.2	61.8	38.2	NC 036393
<i>Coregonus autumnalis</i>	1075	30.0	24.5	30.6	15.0	60.6	39.4	KP452507
<i>Coregonus autumnalis</i>	1075	30.0	24.5	30.6	15.0	60.6	39.4	NC 027277
<i>Coregonus baicalensis</i>	1074	30.1	24.5	30.4	15.1	60.4	39.6	MN394784
<i>Coregonus baicalensis</i>	1074	30.2	24.4	30.3	15.2	60.4	39.6	MN394785
<i>Coregonus baicalensis</i>	1070	30.0	24.5	30.4	15.1	60.4	39.6	MN394786
<i>Coregonus baicalensis</i>	1074	30.1	24.5	30.4	15.1	60.4	39.6	NC 045226
<i>Coregonus chadary</i>	1078	30.3	23.9	30.8	14.9	61.1	38.9	KU530206
<i>Coregonus chadary</i>	1078	30.3	23.9	30.8	14.9	61.1	38.9	NC 030175
<i>Coregonus clupeaformis</i>	1075	30.0	24.5	30.6	14.9	60.7	39.3	JQ661482
<i>Coregonus clupeaformis</i>	1074	29.9	24.5	30.7	14.9	60.6	39.4	JQ661483
<i>Coregonus clupeaformis</i>	1073	30.0	24.4	30.7	14.9	60.7	39.3	JQ661484
<i>Coregonus clupeaformis</i>	1075	30.0	24.5	30.6	15.0	60.6	39.4	JQ661485
<i>Coregonus clupeaformis</i>	1073	29.9	24.5	30.8	14.8	60.7	39.3	JQ661486
<i>Coregonus clupeaformis</i>	1074	30.0	24.3	30.5	15.2	60.5	39.5	JQ661487
<i>Coregonus clupeaformis</i>	1078	30.1	24.5	30.5	14.9	60.6	39.4	MH301057
<i>Coregonus clupeaformis</i>	1075	30.0	24.5	30.6	15.0	60.6	39.4	MH301058
<i>Coregonus clupeaformis</i>	1083	30.0	24.6	30.5	15.0	60.5	39.5	NC 020762
<i>Coregonus clupeaformis</i>	1083	30.0	24.6	30.5	15.0	60.5	39.5	JQ390060
<i>Coregonus hoyi</i>	1160	30.5	23.8	31.2	14.5	61.7	38.3	MT667235
<i>Coregonus hoyi</i>	1160	30.5	23.8	31.2	14.5	61.7	38.3	MW856853
<i>Coregonus hoyi</i>	1160	30.6	23.7	31.3	14.4	61.9	38.1	MW856901
<i>Coregonus hoyi</i>	1160	30.6	23.7	31.3	14.4	61.9	38.1	MW856902
<i>Coregonus hoyi</i>	1160	30.5	23.8	31.2	14.5	61.7	38.3	NC 054288
<i>Coregonus lavaretus</i>	1076	30.0	24.4	30.7	14.9	60.7	39.3	JQ661382
<i>Coregonus lavaretus</i>	1075	30.0	24.4	30.7	14.9	60.7	39.3	JQ661383
<i>Coregonus lavaretus</i>	1075	30.0	24.5	30.7	14.9	60.7	39.3	JQ661384
<i>Coregonus lavaretus</i>	1075	30.0	24.5	30.7	14.9	60.7	39.3	JQ661385
<i>Coregonus lavaretus</i>	1075	30.0	24.5	30.7	14.9	60.7	39.3	JQ661386
<i>Coregonus lavaretus</i>	1075	30.0	24.4	30.7	14.9	60.7	39.3	JQ661387
<i>Coregonus lavaretus</i>	1076	30.0	24.4	30.7	14.9	60.7	39.3	JQ661388
<i>Coregonus lavaretus</i>	1075	30.0	24.5	30.7	14.9	60.7	39.3	JQ661389

<i>Coregonus lavaretus</i>	1075	30.0	24.4	30.7	14.9	60.7	39.3	JQ661390
<i>Coregonus lavaretus</i>	1075	29.9	24.7	30.6	14.9	60.5	39.5	JQ661392
<i>Coregonus lavaretus</i>	1075	29.9	24.6	30.7	14.9	60.6	39.4	JQ661393
<i>Coregonus lavaretus</i>	1075	30.2	24.2	30.8	14.8	61.0	39.0	JQ661419
<i>Coregonus lavaretus</i>	1075	30.2	24.2	30.8	14.8	61.0	39.0	JQ661420
<i>Coregonus lavaretus</i>	1075	30.2	24.2	30.8	14.8	61.0	39.0	JQ661421
<i>Coregonus lavaretus</i>	1075	30.2	24.2	30.8	14.8	61.0	39.0	JQ661422
<i>Coregonus lavaretus</i>	1075	30.2	24.2	30.8	14.8	61.0	39.0	JQ661423
<i>Coregonus lavaretus</i>	1076	30.3	24.2	30.8	14.8	61.1	38.9	JQ661424
<i>Coregonus lavaretus</i>	1075	30.2	24.2	30.8	14.8	61.0	39.0	JQ661425
<i>Coregonus lavaretus</i>	1075	30.2	24.2	30.8	14.8	61.0	39.0	JQ661426
<i>Coregonus lavaretus</i>	1075	30.2	24.2	30.8	14.8	61.0	39.0	JQ661427
<i>Coregonus lavaretus</i>	1076	30.3	24.2	30.8	14.8	61.1	38.9	JQ661431
<i>Coregonus lavaretus</i>	1075	30.2	24.2	30.7	14.9	60.9	39.1	JQ661432
<i>Coregonus lavaretus</i>	1075	30.2	24.2	30.8	14.8	61.0	39.0	JQ661435
<i>Coregonus lavaretus</i>	1075	30.2	24.2	30.8	14.8	61.0	39.0	JQ661436
<i>Coregonus lavaretus</i>	1075	30.2	24.2	30.8	14.8	61.0	39.0	JQ661437
<i>Coregonus lavaretus</i>	1076	30.3	24.2	30.7	14.9	61.0	39.0	JQ661438
<i>Coregonus lavaretus</i>	1076	30.3	24.2	30.8	14.8	61.1	38.9	JQ661439
<i>Coregonus lavaretus</i>	1075	30.2	24.2	30.8	14.8	61.0	39.0	JQ661440
<i>Coregonus lavaretus</i>	1076	30.3	24.2	30.8	14.8	61.1	38.9	JQ661441
<i>Coregonus lavaretus</i>	1076	30.3	24.2	30.8	14.8	61.1	38.9	JQ661443
<i>Coregonus lavaretus</i>	1075	30.3	24.2	30.7	14.8	61.0	39.0	JQ661444
<i>Coregonus lavaretus</i>	1076	30.0	24.4	30.8	14.8	60.8	39.2	JQ661445
<i>Coregonus lavaretus</i>	1076	30.3	24.2	30.8	14.8	61.1	38.9	JQ661446
<i>Coregonus lavaretus</i>	1076	30.3	24.2	30.8	14.8	61.1	38.9	JQ661447
<i>Coregonus lavaretus</i>	1076	30.3	24.2	30.8	14.8	61.1	38.9	JQ661449
<i>Coregonus lavaretus</i>	1076	30.4	24.2	30.7	14.8	61.1	38.9	JQ661451
<i>Coregonus lavaretus</i>	1076	30.3	24.2	30.8	14.8	61.1	38.9	JQ661452
<i>Coregonus lavaretus</i>	1075	30.2	24.2	30.8	14.8	61.0	39.0	JQ661453
<i>Coregonus lavaretus</i>	1074	30.2	24.2	30.8	14.8	61.0	39.0	JQ661454
<i>Coregonus lavaretus</i>	1075	30.2	24.2	30.8	14.8	61.0	39.0	JQ661455
<i>Coregonus lavaretus</i>	1074	30.2	24.2	30.8	14.8	61.0	39.0	JQ661456
<i>Coregonus lavaretus</i>	1075	30.2	24.2	30.8	14.8	61.0	39.0	JQ661457
<i>Coregonus lavaretus</i>	1075	30.2	24.2	30.8	14.8	61.0	39.0	JQ661458
<i>Coregonus lavaretus</i>	1075	30.2	24.2	30.8	14.8	61.0	39.0	JQ661462
<i>Coregonus lavaretus</i>	1075	30.2	24.2	30.8	14.8	61.0	39.0	JQ661463
<i>Coregonus lavaretus</i>	1075	30.2	24.2	30.8	14.8	61.0	39.0	JQ661464
<i>Coregonus lavaretus</i>	1075	30.2	24.2	30.8	14.8	61.0	39.0	JQ661465
<i>Coregonus lavaretus</i>	1076	30.3	24.2	30.8	14.8	61.1	38.9	JQ661466
<i>Coregonus lavaretus</i>	1076	30.3	24.2	30.8	14.8	61.1	38.9	JQ661467
<i>Coregonus lavaretus</i>	1075	30.2	24.2	30.8	14.8	61.0	39.0	JQ661468
<i>Coregonus lavaretus</i>	1075	30.2	24.2	30.8	14.8	61.0	39.0	JQ661469
<i>Coregonus lavaretus</i>	1076	30.3	24.2	30.8	14.8	61.1	38.9	JQ661470
<i>Coregonus lavaretus</i>	1076	30.3	24.2	30.8	14.8	61.1	38.9	JQ661471
<i>Coregonus lavaretus</i>	1075	30.2	24.2	30.8	14.8	61.0	39.0	JQ661472
<i>Coregonus lavaretus</i>	1075	30.2	24.2	30.8	14.8	61.0	39.0	JQ661473
<i>Coregonus lavaretus</i>	1075	30.0	24.4	30.7	14.9	60.7	39.3	JQ661474
<i>Coregonus lavaretus</i>	1075	30.2	24.2	30.8	14.8	61.0	39.0	JQ661475
<i>Coregonus lavaretus</i>	1075	30.2	24.2	30.8	14.8	61.0	39.0	JQ661476
<i>Coregonus lavaretus</i>	1075	30.2	24.2	30.8	14.8	61.0	39.0	JQ661477

<i>Coregonus lavaretus</i>	1076	30.3	24.2	30.8	14.8	61.1	38.9	JQ661478
<i>Coregonus lavaretus</i>	1075	30.2	24.2	30.8	14.8	61.0	39.0	JQ661479
<i>Coregonus lavaretus</i>	1076	30.3	24.2	30.8	14.8	61.1	38.9	JQ661480
<i>Coregonus lavaretus</i>	1075	30.2	24.2	30.8	14.8	61.0	39.0	JQ661481
<i>Coregonus lavaretus</i>	1077	30.0	24.5	30.7	14.8	60.7	39.3	MK913369
<i>Coregonus lavaretus</i>	1076	30.2	24.3	30.7	14.9	60.9	39.1	AB034824
<i>Coregonus lavaretus</i>	1075	30.0	24.5	30.6	15.0	60.6	39.4	JQ661391
<i>Coregonus lavaretus</i>	1076	29.9	24.5	30.7	14.9	60.6	39.4	JQ661394
<i>Coregonus lavaretus</i>	1075	30.0	24.5	30.8	14.8	60.7	39.3	JQ661395
<i>Coregonus lavaretus</i>	1076	29.9	24.5	30.7	14.9	60.6	39.4	JQ661396
<i>Coregonus lavaretus</i>	1075	30.0	24.4	30.7	14.9	60.7	39.3	JQ661397
<i>Coregonus lavaretus</i>	1076	30.3	24.2	30.8	14.8	61.1	38.9	JQ661428
<i>Coregonus lavaretus</i>	1075	30.2	24.2	30.8	14.8	61.0	39.0	JQ661429
<i>Coregonus lavaretus</i>	1076	30.3	24.2	30.8	14.8	61.1	38.9	JQ661430
<i>Coregonus lavaretus</i>	1075	30.2	24.2	30.7	14.9	60.9	39.1	JQ661433
<i>Coregonus lavaretus</i>	1075	30.2	24.2	30.8	14.8	61.0	39.0	JQ661434
<i>Coregonus lavaretus</i>	1075	30.2	24.2	30.8	14.8	61.0	39.0	JQ661442
<i>Coregonus lavaretus</i>	1075	30.2	24.2	30.7	14.9	60.9	39.1	JQ661448
<i>Coregonus lavaretus</i>	1076	30.3	24.2	30.8	14.8	61.1	38.9	JQ661450
<i>Coregonus lavaretus</i>	1075	30.2	24.2	30.8	14.8	61.0	39.0	JQ661459
<i>Coregonus lavaretus</i>	1076	30.3	24.2	30.8	14.8	61.1	38.9	JQ661460
<i>Coregonus lavaretus</i>	1076	30.3	24.2	30.8	14.8	61.1	38.9	JQ661461
<i>Coregonus lavaretus</i>	1076	30.2	24.3	30.7	14.9	60.9	39.1	NC 002646
<i>Coregonus migratorius</i>	1076	29.9	24.5	30.4	15.1	60.3	39.7	MN394787
<i>Coregonus migratorius</i>	1076	30.0	24.4	30.3	15.2	60.3	39.7	MN394788
<i>Coregonus migratorius</i>	1076	29.9	24.5	30.4	15.1	60.3	39.7	NC 045227
<i>Coregonus migratorius</i>	1076	30.0	24.4	30.4	15.1	60.4	39.6	MN394789
<i>Coregonus muksun</i>	1075	30.0	24.4	30.7	14.9	60.7	39.3	KT824877
<i>Coregonus muksun</i>	1075	30.0	24.4	30.7	14.9	60.7	39.3	NC 028593
<i>Coregonus nasus</i>	1078	30.3	23.9	30.8	14.9	61.1	38.9	JQ390058
<i>Coregonus nasus</i>	1078	30.3	23.9	30.8	14.9	61.1	38.9	NC 020760
<i>Coregonus oxyrinchus</i>	1076	30.3	24.2	30.7	14.9	61.0	39.0	JQ661398
<i>Coregonus oxyrinchus</i>	1075	30.2	24.2	30.7	14.9	60.9	39.1	JQ661399
<i>Coregonus oxyrinchus</i>	1076	30.3	24.2	30.8	14.8	61.1	38.9	JQ661400
<i>Coregonus oxyrinchus</i>	1076	30.0	24.4	30.7	14.9	60.7	39.3	JQ661401
<i>Coregonus oxyrinchus</i>	1075	30.2	24.2	30.7	14.9	60.9	39.1	JQ661402
<i>Coregonus oxyrinchus</i>	1075	30.2	24.2	30.8	14.8	61.0	39.0	JQ661403
<i>Coregonus oxyrinchus</i>	1075	30.0	24.4	30.7	14.9	60.7	39.3	JQ661404
<i>Coregonus oxyrinchus</i>	1076	30.3	24.2	30.7	14.9	61.0	39.0	JQ661405
<i>Coregonus oxyrinchus</i>	1075	30.2	24.2	30.8	14.8	61.0	39.0	JQ661406
<i>Coregonus oxyrinchus</i>	1075	30.2	24.2	30.8	14.8	61.0	39.0	JQ661407
<i>Coregonus oxyrinchus</i>	1074	30.2	24.2	30.8	14.8	61.0	39.0	JQ661408
<i>Coregonus oxyrinchus</i>	1074	30.2	24.2	30.8	14.8	61.0	39.0	JQ661409
<i>Coregonus oxyrinchus</i>	1075	30.2	24.2	30.8	14.8	61.0	39.0	JQ661410
<i>Coregonus oxyrinchus</i>	1076	30.3	24.2	30.7	14.9	61.0	39.0	JQ661411
<i>Coregonus oxyrinchus</i>	1075	30.2	24.2	30.7	14.9	60.9	39.1	JQ661412
<i>Coregonus oxyrinchus</i>	1075	30.2	24.2	30.8	14.8	61.0	39.0	JQ661413
<i>Coregonus oxyrinchus</i>	1076	30.3	24.2	30.7	14.9	61.0	39.0	JQ661414
<i>Coregonus oxyrinchus</i>	1074	30.2	24.2	30.8	14.8	61.0	39.0	JQ661415
<i>Coregonus oxyrinchus</i>	1076	30.3	24.2	30.7	14.9	61.0	39.0	JQ661416
<i>Coregonus oxyrinchus</i>	1075	30.0	24.5	30.7	14.9	60.7	39.3	JQ661417

<i>Coregonus oxyrinchus</i>	1076	30.3	24.2	30.8	14.8	61.1	38.9	JQ661418	this study
<i>Coregonus oxyrinchus</i>	1076	30.3	24.2	30.8	14.8	61.1	38.9	NC 020765	
<i>Coregonus peled</i>	1075	30.2	24.2	30.8	14.8	61.0	39.0	KM361633	
<i>Coregonus peled</i>	1075	30.2	24.2	30.8	14.8	61.0	39.0	NC 025576	
<i>Coregonus sp. cluncaformis</i>	1075	30.0	24.5	30.8	14.8	60.7	39.3	KT375339	
<i>Coregonus sp. cluncaformis</i>	1075	30.0	24.5	30.8	14.8	60.7	39.3	NC 028198	
<i>Coregonus ussuriensis</i>	1074	30.2	24.1	30.6	15.1	60.8	39.2	KM210289	
<i>Coregonus ussuriensis</i>	1074	30.2	24.1	30.6	15.1	60.8	39.2	NC 025648	
<i>Hucho bleekeri</i>	1339	29.9	24.4	32.4	13.2	62.4	37.6	HM804473	
<i>Hucho bleekeri</i>	1179	30.2	23.9	31.9	14.0	62.1	37.9	KF908853	
<i>Hucho bleekeri</i>	1339	29.9	24.4	32.4	13.2	62.4	37.6	NC 015995	
<i>Hucho hucho</i>	1096	29.7	24.4	31.1	14.8	60.9	39.1	KM588351	
<i>Hucho hucho</i>	1096	29.7	24.4	31.1	14.8	60.9	39.1	NC 025589	
<i>Hucho taimen</i>	1176	30.4	23.9	31.5	14.2	61.9	38.1	HQ897271	
<i>Hucho taimen</i>	1257	30.4	23.9	31.8	13.8	62.2	37.8	KJ711549	
<i>Hucho taimen</i>	1175	30.2	24.0	31.6	14.2	61.8	38.2	KJ711550	
<i>Hucho taimen</i>	1176	30.7	23.6	31.0	14.8	61.6	38.4	MK258077	
<i>Hucho taimen</i>	1176	30.7	23.6	31.0	14.8	61.6	38.4	MK258078	
<i>Hucho taimen</i>	1176	30.7	23.6	31.0	14.8	61.6	38.4	MK258079	
<i>Hucho taimen</i>	1258	30.1	24.2	31.7	13.9	61.8	38.2	MK258080	
<i>Hucho taimen</i>	1258	30.3	24.1	31.7	13.9	62.0	38.0	MK258081	
<i>Hucho taimen</i>	1176	30.4	23.9	31.6	14.1	62.0	38.0	MK258082	
<i>Hucho taimen</i>	1176	30.4	23.9	31.6	14.1	62.0	38.0	MK258083	
<i>Hucho taimen</i>	1176	30.4	23.9	31.6	14.1	62.0	38.0	MK258084	
<i>Hucho taimen</i>	1176	30.4	23.9	31.5	14.2	61.9	38.1	NC 016426	
<i>Oncorhynchus chrysogaster</i>	1002	30.6	23.0	30.8	15.6	61.5	38.5	OP902890	
<i>Oncorhynchus clarkii henshawi</i>	1003	30.6	23.4	30.8	15.2	61.4	38.6	AY886762	
<i>Oncorhynchus clarkii henshawi</i>	1003	30.6	23.4	30.8	15.2	61.4	38.6	NC 006897	
<i>Oncorhynchus clarkii stomias</i>	1002	30.3	23.6	30.5	15.6	60.9	39.1	KP013107	
<i>Oncorhynchus clarkii stomias</i>	1002	30.3	23.6	30.5	15.6	60.9	39.1	KP013117	
<i>Oncorhynchus clarkii virginalis</i>	1002	30.7	23.1	30.5	15.7	61.3	38.7	MW300344	
<i>Oncorhynchus clarkii virginalis</i>	1002	30.7	23.1	30.5	15.7	61.3	38.7	MW300343	
<i>Oncorhynchus gilae</i>	1002	30.9	22.5	30.6	16.0	61.6	38.4	MW300334	
<i>Oncorhynchus gilae</i>	1002	30.9	22.5	30.6	16.0	61.6	38.4	MW300335	
<i>Oncorhynchus gilae</i>	1002	30.9	22.5	30.6	16.0	61.6	38.4	MW300336	
<i>Oncorhynchus gilae</i>	1002	30.9	22.5	30.6	16.0	61.6	38.4	NC 056957	
<i>Oncorhynchus gilae apache</i>	1003	31.0	22.4	30.7	15.9	61.7	38.3	MW300342	
<i>Oncorhynchus gorbuscha</i>	1131	31.3	23.3	29.1	16.3	60.4	39.6	EF455489	
<i>Oncorhynchus gorbuscha</i>	1131	31.3	23.3	29.1	16.3	60.4	39.6	NC 010959	
<i>Oncorhynchus keta</i>	1001	30.3	24.0	30.6	15.2	60.8	39.2	AP010773	
<i>Oncorhynchus keta</i>	1001	30.3	24.0	30.6	15.2	60.8	39.2	NC 017838	
<i>Oncorhynchus keta</i>	1001	30.1	24.0	30.7	15.3	60.7	39.3	KY320492	
<i>Oncorhynchus kisutch</i>	1003	31.0	22.7	30.5	15.8	61.5	38.5	MF621751	
<i>Oncorhynchus kisutch</i>	1003	31.0	22.7	30.2	16.1	61.2	38.8	MH003640	
<i>Oncorhynchus kisutch</i>	1002	30.9	22.8	30.3	16.0	61.3	38.7	EF126369	
<i>Oncorhynchus kisutch</i>	1002	30.9	22.8	30.3	16.0	61.3	38.7	MF621749	
<i>Oncorhynchus kisutch</i>	1002	30.9	22.8	30.3	16.0	61.3	38.7	NC 009263	
<i>Oncorhynchus masou biwa</i>	998	30.4	23.3	30.4	15.9	60.7	39.3	EF105342	
<i>Oncorhynchus masou biwa</i>	998	30.4	23.3	30.4	15.9	60.7	39.3	NC 009262	
<i>Oncorhynchus masou formosanus</i>	998	30.1	23.7	30.3	15.9	60.3	39.7	DQ858456	

<i>Oncorhynchus masou formosanus</i>	999	30.0	23.7	30.3	15.9	60.4	39.6	KU523579	this study
<i>Oncorhynchus masou formosanus</i>	994	29.7	24.0	30.3	16.0	60.0	40.0	KY250421	
<i>Oncorhynchus masou formosanus</i>	998	30.1	23.7	30.3	15.9	60.3	39.7	NC 008745	
<i>Oncorhynchus masou ishikawae</i>	998	30.3	23.4	30.4	15.9	60.6	39.4	DQ864464	
<i>Oncorhynchus masou ishikawae</i>	998	30.3	23.4	30.4	15.9	60.6	39.4	NC 008746	
<i>Oncorhynchus masou masou</i>	1003	30.7	23.8	30.5	15.0	61.2	38.8	KY320493	
<i>Oncorhynchus masou masou</i>	998	29.8	23.6	30.5	16.1	60.2	39.8	DQ864465	
<i>Oncorhynchus masou masou</i>	998	29.8	23.6	30.5	16.1	60.2	39.8	NC 008747	
<i>Oncorhynchus mykiss</i>	1003	30.7	22.9	30.8	15.6	61.5	38.5	DQ288268	
<i>Oncorhynchus mykiss</i>	1003	30.9	22.8	30.7	15.6	61.6	38.4	MF621750	
<i>Oncorhynchus mykiss</i>	1003	30.9	22.9	30.6	15.6	61.5	38.5	NC 001717	
<i>Oncorhynchus mykiss</i>	1003	30.6	23.0	30.8	15.6	61.4	38.6	DQ288269	
<i>Oncorhynchus mykiss</i>	1003	30.6	23.0	30.7	15.7	61.3	38.7	DQ288270	
<i>Oncorhynchus mykiss</i>	1003	30.7	23.0	30.6	15.7	61.3	38.7	DQ288271	
<i>Oncorhynchus mykiss</i>	1002	30.4	23.2	30.7	15.7	61.2	38.8	KP013084	
<i>Oncorhynchus mykiss</i>	1003	30.7	22.9	30.8	15.6	61.5	38.5	KP085590	
<i>Oncorhynchus mykiss</i>	1002	30.8	22.9	30.8	15.5	61.7	38.3	MT410879	
<i>Oncorhynchus mykiss</i>	1001	30.8	23.0	30.7	15.6	61.4	38.6	MT667254	
<i>Oncorhynchus mykiss</i>	1003	30.9	22.9	30.6	15.6	61.5	38.5	L29771	
<i>Oncorhynchus mykiss nelsoni</i>	1004	30.7	22.9	30.8	15.6	61.5	38.5	OP902891	
<i>Oncorhynchus mykiss x Salmo salar</i>	993	30.8	23.0	30.8	15.4	61.6	38.4	KP218514	
<i>Oncorhynchus mykiss x Salmo salar</i>	993	30.8	23.0	30.8	15.4	61.6	38.4	NC 026537	
<i>Oncorhynchus nerka</i>	1004	30.2	23.5	30.4	15.9	60.6	39.4	EF055889	
<i>Oncorhynchus nerka</i>	1004	30.4	23.4	30.2	16.0	60.6	39.4	MG993162	
<i>Oncorhynchus nerka</i>	1004	30.4	23.4	30.2	16.0	60.6	39.4	MH003639	
<i>Oncorhynchus nerka</i>	1004	30.4	23.4	30.2	16.0	60.6	39.4	MH003641	
<i>Oncorhynchus nerka</i>	1004	30.2	23.5	30.4	15.9	60.6	39.4	NC 008615	
<i>Oncorhynchus tshawytscha</i>	986	31.0	23.5	29.4	16.0	60.4	39.6	AF392054	
<i>Oncorhynchus tshawytscha</i>	986	31.0	23.5	29.4	16.0	60.4	39.6	NC 002980	
<i>Parahucho perryi</i>	990	31.1	22.2	32.3	14.3	63.4	36.6	KJ816316	
<i>Parahucho perryi</i>	988	30.9	22.4	32.4	14.4	63.3	36.7	KC897653	
<i>Parahucho perryi</i>	990	31.0	22.3	32.3	14.3	63.3	36.7	KJ816315	
<i>Parahucho perryi</i>	988	30.9	22.4	32.4	14.4	63.3	36.7	NC 021651	
<i>Prosopium cylindraceum</i>	1172	30.1	24.1	31.1	14.8	61.2	38.8	MF621767	
<i>Prosopium cylindraceum</i>	1172	30.0	24.1	30.7	15.2	60.8	39.2	MF621768	
<i>Prosopium cylindraceum</i>	866	29.6	24.1	29.3	17.0	58.9	41.1	JQ390062	
<i>Prosopium cylindraceum</i>	1012	29.8	24.1	30.1	15.9	60.0	40.0	MF621759	
<i>Prosopium cylindraceum</i>	1092	30.0	24.1	30.8	15.1	60.8	39.2	MF621764	
<i>Prosopium cylindraceum</i>	866	29.6	24.1	29.3	17.0	58.9	41.1	NC 020764	
<i>Prosopium williamsoni</i>	1093	29.9	24.9	30.1	15.1	60.0	40.0	JQ390061	
<i>Prosopium williamsoni</i>	1093	29.9	24.9	30.1	15.1	60.0	40.0	NC 020763	
<i>Salmo caspius</i>	505	30.1	23.4	28.9	17.6	59.0	41.0	MT789707	
<i>Salmo caspius</i>	505	30.1	23.4	28.9	17.6	59.0	41.0	MT789708	
<i>Salmo caspius</i>	505	30.1	23.4	28.9	17.6	59.0	41.0	NC 058188	
<i>Salmo ischchan</i>	1013	31.6	22.8	31.4	14.2	63.0	37.0	MG551590	
<i>Salmo ischchan</i>	1013	31.6	22.8	31.4	14.2	63.0	37.0	MG599465	
<i>Salmo ischchan</i>	1013	31.6	22.8	31.5	14.1	63.1	36.9	MG940849	
<i>Salmo ischchan</i>	1013	31.6	22.8	31.5	14.1	63.1	36.9	MG940850	
<i>Salmo ischchan</i>	1013	31.6	22.8	31.4	14.2	63.0	37.0	NC 037399	

<i>Salmo ischchan</i>	1012	31.6	22.8	31.3	14.2	62.9	37.1	MG551591
<i>Salmo ischchan</i>	1013	31.6	22.8	31.4	14.2	63.0	37.0	MG599466
<i>Salmo ischchan gegarkuni</i>	1013	31.6	22.8	31.4	14.2	63.0	37.0	MG551588
<i>Salmo ischchan gegarkuni</i>	1013	31.6	22.8	31.5	14.1	63.1	36.9	MG551589
<i>Salmo ischchan gegarkuni</i>	1013	31.4	23.0	31.4	14.2	62.8	37.2	MG940853
<i>Salmo ischchan gegarkuni</i>	505	30.1	23.4	28.9	17.6	59.0	41.0	MT789703
<i>Salmo ischchan gegarkuni</i>	505	29.9	23.6	28.9	17.6	58.8	41.2	MT789704
<i>Salmo obtusirostris</i>	1012	31.6	22.9	31.3	14.1	62.9	37.1	NC 037939
<i>Salmo salar</i>	1008	31.6	22.2	31.5	14.6	63.2	36.8	AF133701
<i>Salmo salar</i>	1008	31.7	22.1	31.6	14.5	63.4	36.6	JQ390055
<i>Salmo salar</i>	1006	31.7	22.2	31.6	14.5	63.3	36.7	JQ390056
<i>Salmo salar</i>	1006	31.7	22.2	31.6	14.5	63.3	36.7	KF792729
<i>Salmo salar</i>	1006	31.8	22.1	31.3	14.8	63.1	36.9	NC 001960
<i>Salmo salar</i>	1006	31.8	22.1	31.3	14.8	63.1	36.9	U12143
<i>Salmo trutta</i>	1013	31.6	22.7	31.6	14.1	63.2	36.8	JQ390057
<i>Salmo trutta</i>	1012	31.6	22.7	31.6	14.0	63.2	36.8	MF621760
<i>Salmo trutta</i>	1012	31.6	22.7	31.6	14.0	63.2	36.8	MF621761
<i>Salmo trutta</i>	1012	31.5	22.9	31.5	14.0	63.0	37.0	MF621762
<i>Salmo trutta</i>	1012	31.6	22.7	31.6	14.0	63.2	36.8	MF621763
<i>Salmo trutta</i>	1013	31.6	22.7	31.6	14.1	63.2	36.8	NC 024032
<i>Salmo trutta fario</i>	1013	31.7	22.7	31.6	14.0	63.3	36.7	KT633607
<i>Salmo trutta fario</i>	1012	31.2	14.2	31.8	22.7	63.0	37.0	KT634053
<i>Salmo trutta fario</i>	505	30.1	23.4	28.9	17.6	59.0	41.0	MT789706
<i>Salmo trutta fario</i>	505	30.1	23.4	28.9	17.6	59.0	41.0	MT789705
<i>Salmo trutta trutta</i>	1013	31.7	22.8	31.5	14.0	63.2	36.8	NC 010007
<i>Salvelinus albus</i>	994	30.1	22.8	31.9	15.2	62.0	38.0	KT266871
<i>Salvelinus albus</i>	994	30.1	22.8	31.9	15.2	62.0	38.0	NC 028018
<i>Salvelinus albus</i>	994	30.1	22.8	31.9	15.2	62.0	38.0	KT266870
<i>Salvelinus alpinus</i>	991	30.0	22.6	32.7	14.7	62.7	37.3	MF621740
<i>Salvelinus alpinus</i>	995	30.3	22.6	32.3	14.9	62.5	37.5	MT880631
<i>Salvelinus alpinus</i>	996	30.2	22.7	32.0	15.1	62.2	37.8	MT880632
<i>Salvelinus alpinus</i>	997	30.2	22.8	32.2	14.8	62.4	37.6	MT880633
<i>Salvelinus alpinus</i>	994	30.0	22.6	32.7	14.7	62.7	37.3	MT880635
<i>Salvelinus alpinus</i>	995	30.3	22.6	32.2	15.0	62.4	37.6	MT880638
<i>Salvelinus alpinus</i>	994	30.0	22.6	32.7	14.7	62.7	37.3	MT880641
<i>Salvelinus alpinus</i>	994	30.0	22.6	32.7	14.7	62.7	37.3	MT880642
<i>Salvelinus alpinus</i>	994	30.0	22.6	32.7	14.7	62.7	37.3	MT880643
<i>Salvelinus alpinus</i>	994	30.0	22.6	32.7	14.7	62.7	37.3	MT880644
<i>Salvelinus alpinus</i>	994	30.0	22.6	32.7	14.7	62.7	37.3	MT880645
<i>Salvelinus alpinus</i>	994	30.0	22.6	32.7	14.7	62.7	37.3	MT880646
<i>Salvelinus alpinus</i>	994	30.0	22.6	32.7	14.7	62.7	37.3	MT880648
<i>Salvelinus alpinus</i>	994	30.0	22.6	32.7	14.7	62.7	37.3	MT880649
<i>Salvelinus alpinus</i>	995	29.9	22.6	32.8	14.7	62.7	37.3	MT880650
<i>Salvelinus alpinus</i>	995	29.9	22.6	32.8	14.7	62.7	37.3	MT880652
<i>Salvelinus alpinus</i>	994	30.0	22.6	32.7	14.7	62.7	37.3	MT880654
<i>Salvelinus alpinus</i>	995	29.9	22.6	32.8	14.7	62.7	37.3	MT880655
<i>Salvelinus alpinus</i>	994	30.0	22.6	32.7	14.7	62.7	37.3	MT880656
<i>Salvelinus alpinus</i>	995	29.9	22.6	32.8	14.7	62.7	37.3	MT880657
<i>Salvelinus alpinus</i>	995	29.9	22.6	32.8	14.7	62.7	37.3	MT880658
<i>Salvelinus alpinus</i>	995	30.3	22.6	32.1	15.1	62.3	37.7	MT880660
<i>Salvelinus alpinus</i>	995	30.3	22.6	32.0	15.2	62.2	37.8	MT880661

<i>Salvelinus alpinus</i>	995	30.3	22.6	32.1	15.1	62.3	37.7	MT880662
<i>Salvelinus alpinus</i>	994	30.0	22.6	32.7	14.7	62.7	37.3	MT880669
<i>Salvelinus alpinus</i>	994	30.0	22.6	32.7	14.7	62.7	37.3	MT880673
<i>Salvelinus alpinus</i>	994	30.0	22.6	32.7	14.7	62.7	37.3	MT880674
<i>Salvelinus alpinus</i>	994	30.0	22.6	32.7	14.7	62.7	37.3	MT880675
<i>Salvelinus alpinus</i>	994	30.0	22.6	32.7	14.7	62.7	37.3	MT880676
<i>Salvelinus alpinus</i>	994	30.0	22.6	32.7	14.7	62.7	37.3	MT880679
<i>Salvelinus alpinus</i>	995	30.4	22.5	32.2	15.0	62.5	37.5	MT880680
<i>Salvelinus alpinus</i>	994	30.0	22.6	32.7	14.7	62.7	37.3	MT880683
<i>Salvelinus alpinus</i>	996	30.2	22.7	32.1	15.0	62.3	37.7	MT880685
<i>Salvelinus alpinus</i>	994	30.0	22.6	32.7	14.7	62.7	37.3	MT880688
<i>Salvelinus alpinus</i>	994	30.0	22.6	32.7	14.7	62.7	37.3	MT880689
<i>Salvelinus alpinus</i>	994	30.0	22.6	32.7	14.7	62.7	37.3	MT880690
<i>Salvelinus alpinus</i>	995	30.3	22.6	32.2	15.0	62.4	37.6	MT880691
<i>Salvelinus alpinus</i>	994	30.1	22.6	32.7	14.6	62.8	37.2	MT880692
<i>Salvelinus alpinus</i>	994	30.0	22.6	32.7	14.7	62.7	37.3	MT880699
<i>Salvelinus alpinus</i>	994	30.0	22.6	32.7	14.7	62.7	37.3	MT880700
<i>Salvelinus alpinus</i>	994	30.0	22.6	32.7	14.7	62.7	37.3	MT880702
<i>Salvelinus alpinus</i>	994	30.1	22.5	32.6	14.8	62.7	37.3	MT880703
<i>Salvelinus alpinus</i>	994	30.0	22.6	32.7	14.7	62.7	37.3	MT880705
<i>Salvelinus alpinus</i>	995	30.2	22.7	32.3	14.9	62.4	37.6	MT880708
<i>Salvelinus alpinus</i>	995	30.4	22.5	32.2	15.0	62.5	37.5	MT880710
<i>Salvelinus alpinus</i>	995	30.2	22.7	32.3	14.9	62.4	37.6	MT880711
<i>Salvelinus alpinus</i>	995	30.4	22.5	32.2	15.0	62.5	37.5	MT880714
<i>Salvelinus alpinus</i>	995	30.4	22.5	32.2	15.0	62.5	37.5	MT880720
<i>Salvelinus alpinus</i>	995	30.3	22.6	32.2	15.0	62.4	37.6	MT880721
<i>Salvelinus alpinus</i>	998	30.3	22.6	32.2	14.9	62.4	37.6	NC 000861
<i>Salvelinus alpinus</i>	998	30.3	22.6	32.2	14.9	62.4	37.6	AF154851
<i>Salvelinus alpinus</i>	993	30.1	22.7	32.3	14.9	62.4	37.6	MF621741
<i>Salvelinus alpinus</i>	993	30.2	22.8	32.0	15.0	62.2	37.8	MF621743
<i>Salvelinus alpinus</i>	994	30.0	22.6	32.7	14.7	62.7	37.3	MN530962
<i>Salvelinus alpinus</i>	994	30.0	22.6	32.7	14.7	62.7	37.3	MN530963
<i>Salvelinus alpinus</i>	996	30.2	22.7	32.1	15.0	62.3	37.7	MT880634
<i>Salvelinus alpinus</i>	995	30.3	22.6	32.2	15.0	62.4	37.6	MT880636
<i>Salvelinus alpinus</i>	994	30.0	22.6	32.7	14.7	62.7	37.3	MT880637
<i>Salvelinus alpinus</i>	994	30.0	22.6	32.7	14.7	62.7	37.3	MT880639
<i>Salvelinus alpinus</i>	994	30.0	22.6	32.7	14.7	62.7	37.3	MT880640
<i>Salvelinus alpinus</i>	994	30.0	22.6	32.7	14.7	62.7	37.3	MT880647
<i>Salvelinus alpinus</i>	995	30.3	22.6	32.2	15.0	62.4	37.6	MT880651
<i>Salvelinus alpinus</i>	995	29.9	22.6	32.8	14.7	62.7	37.3	MT880653
<i>Salvelinus alpinus</i>	995	30.3	22.6	32.2	15.0	62.4	37.6	MT880659
<i>Salvelinus alpinus</i>	995	30.3	22.6	32.1	15.1	62.3	37.7	MT880663
<i>Salvelinus alpinus</i>	995	30.3	22.6	32.1	15.1	62.3	37.7	MT880664
<i>Salvelinus alpinus</i>	995	30.3	22.6	32.1	15.1	62.3	37.7	MT880665
<i>Salvelinus alpinus</i>	995	30.3	22.6	32.1	15.1	62.3	37.7	MT880666
<i>Salvelinus alpinus</i>	995	30.3	22.6	32.1	15.1	62.3	37.7	MT880667
<i>Salvelinus alpinus</i>	995	30.3	22.6	32.1	15.1	62.3	37.7	MT880668
<i>Salvelinus alpinus</i>	994	30.0	22.6	32.7	14.7	62.7	37.3	MT880670
<i>Salvelinus alpinus</i>	994	30.0	22.6	32.7	14.7	62.7	37.3	MT880671
<i>Salvelinus alpinus</i>	994	30.0	22.6	32.7	14.7	62.7	37.3	MT880672
<i>Salvelinus alpinus</i>	994	30.0	22.6	32.7	14.7	62.7	37.3	MT880677

<i>Salvelinus alpinus</i>	994	30.0	22.6	32.7	14.7	62.7	37.3	MT880678
<i>Salvelinus alpinus</i>	995	30.3	22.6	32.2	15.0	62.4	37.6	MT880681
<i>Salvelinus alpinus</i>	996	30.2	22.7	32.1	15.0	62.3	37.7	MT880682
<i>Salvelinus alpinus</i>	998	30.2	22.8	32.1	14.9	62.2	37.8	MT880684
<i>Salvelinus alpinus</i>	994	30.0	22.6	32.7	14.7	62.7	37.3	MT880686
<i>Salvelinus alpinus</i>	994	30.0	22.6	32.7	14.7	62.7	37.3	MT880687
<i>Salvelinus alpinus</i>	995	30.3	22.6	32.2	15.0	62.4	37.6	MT880693
<i>Salvelinus alpinus</i>	994	30.1	22.5	32.7	14.7	62.8	37.2	MT880694
<i>Salvelinus alpinus</i>	994	30.1	22.5	32.7	14.7	62.8	37.2	MT880695
<i>Salvelinus alpinus</i>	994	30.0	22.6	32.7	14.7	62.7	37.3	MT880696
<i>Salvelinus alpinus</i>	994	30.0	22.6	32.7	14.7	62.7	37.3	MT880697
<i>Salvelinus alpinus</i>	994	30.0	22.6	32.7	14.7	62.7	37.3	MT880698
<i>Salvelinus alpinus</i>	994	30.0	22.6	32.7	14.7	62.7	37.3	MT880701
<i>Salvelinus alpinus</i>	994	30.0	22.6	32.7	14.7	62.7	37.3	MT880704
<i>Salvelinus alpinus</i>	994	30.0	22.6	32.7	14.7	62.7	37.3	MT880706
<i>Salvelinus alpinus</i>	994	30.0	22.6	32.7	14.7	62.7	37.3	MT880707
<i>Salvelinus alpinus</i>	993	30.2	22.6	32.3	14.9	62.5	37.5	MT880709
<i>Salvelinus alpinus</i>	995	30.2	22.7	32.3	14.9	62.4	37.6	MT880712
<i>Salvelinus alpinus</i>	995	30.3	22.6	32.2	15.0	62.4	37.6	MT880713
<i>Salvelinus alpinus</i>	995	30.2	22.7	32.3	14.9	62.4	37.6	MT880715
<i>Salvelinus alpinus</i>	995	30.4	22.5	32.2	15.0	62.5	37.5	MT880716
<i>Salvelinus alpinus</i>	995	30.4	22.5	32.2	15.0	62.5	37.5	MT880717
<i>Salvelinus alpinus</i>	995	30.4	22.5	32.2	15.0	62.5	37.5	MT880718
<i>Salvelinus alpinus</i>	995	30.4	22.5	32.2	15.0	62.5	37.5	MT880719
<i>Salvelinus alpinus</i>	995	30.4	22.5	32.2	15.0	62.5	37.5	MT880722
<i>Salvelinus alpinus</i>	995	30.4	22.5	32.1	15.1	62.4	37.6	MT880723
<i>Salvelinus alpinus</i>	995	30.3	22.6	32.2	15.0	62.4	37.6	MT880724
<i>Salvelinus alpinus alpinus</i>	995	30.3	22.6	32.2	15.0	62.4	37.6	MN957796
<i>Salvelinus alpinus alpinus</i>	997	30.2	22.8	32.1	14.9	62.3	37.7	MN957795
<i>Salvelinus alpinus alpinus</i>	995	30.3	22.6	32.1	15.1	62.3	37.7	MN957797
<i>Salvelinus alpinus erythrinus</i>	994	30.0	22.6	32.7	14.7	62.7	37.3	MW664921
<i>Salvelinus alpinus erythrinus</i>	994	30.0	22.6	32.7	14.7	62.7	37.3	MW664922
<i>Salvelinus boganidae</i>	994	30.1	22.4	32.7	14.8	62.8	37.2	NC 046706
<i>Salvelinus boganidae</i>	994	30.1	22.4	32.7	14.8	62.8	37.2	MK695623
<i>Salvelinus curilus</i>	994	30.4	22.7	31.7	15.2	62.1	37.9	KJ746619
<i>Salvelinus curilus</i>	994	30.4	22.7	31.7	15.2	62.1	37.9	NC 024585
<i>Salvelinus elgyticus</i>	994	29.9	22.7	32.3	15.1	62.2	37.8	MK695624
<i>Salvelinus elgyticus</i>	994	29.9	22.7	32.3	15.1	62.2	37.8	NC 046707
<i>Salvelinus elgyticus</i>	994	29.9	22.7	32.4	15.0	62.3	37.7	MK695625
<i>Salvelinus fontinalis</i>	964	29.7	22.7	32.0	15.7	61.6	38.4	AF154850
<i>Salvelinus fontinalis</i>	964	29.8	22.5	32.0	15.8	61.7	38.3	MF621737
<i>Salvelinus fontinalis</i>	964	29.7	22.7	32.0	15.7	61.6	38.4	MF621739
<i>Salvelinus fontinalis</i>	964	29.7	22.7	32.0	15.7	61.6	38.4	NC 000860
<i>Salvelinus fontinalis</i>	964	29.7	22.7	32.0	15.7	61.6	38.4	MF621738
<i>Salvelinus fontinalis</i> x <i>Salvelinus malma</i>	963	29.5	23.3	32.7	14.5	62.2	37.8	MK270623
<i>Salvelinus fontinalis</i> x <i>Salvelinus malma</i>	963	29.5	23.3	32.7	14.5	62.2	37.8	NC 042195
<i>Salvelinus kuznetzovi</i>	995	30.1	22.9	31.9	15.2	61.9	38.1	KU674352
<i>Salvelinus kuznetzovi</i>	995	30.1	22.9	32.0	15.1	62.0	38.0	KU674351
<i>Salvelinus kuznetzovi</i>	995	30.1	22.9	32.0	15.1	62.0	38.0	NC 029877
<i>Salvelinus leucomaenis</i>	999	29.2	22.9	32.5	15.3	61.8	38.2	KF513161



<i>Salvelinus leucomaenis</i>	997	29.5	22.9	32.5	15.1	62.0	38.0	KF974451
<i>Salvelinus leucomaenis</i>	997	29.4	22.9	32.5	15.2	61.9	38.1	KF974452
<i>Salvelinus leucomaenis</i>	997	29.5	22.9	32.5	15.1	62.0	38.0	MN972433
<i>Salvelinus leucomaenis</i>	997	29.5	22.9	32.5	15.1	62.0	38.0	MN972434
<i>Salvelinus leucomaenis</i>	997	29.5	22.9	32.5	15.1	62.0	38.0	MN972435
<i>Salvelinus leucomaenis</i>	999	29.2	22.9	32.5	15.3	61.8	38.2	NC 022844
<i>Salvelinus levanidovi</i>	966	30.4	23.0	31.3	15.3	61.7	38.3	MK695626
<i>Salvelinus levanidovi</i>	966	30.4	23.0	31.3	15.3	61.7	38.3	NC 046708
<i>Salvelinus malma</i>	995	30.2	22.8	32.2	14.9	62.3	37.7	KJ746618
<i>Salvelinus malma</i>	992	29.2	23.3	32.2	15.3	61.4	38.6	MF680544
<i>Salvelinus malma</i>	993	30.2	22.7	32.1	15.0	62.3	37.7	MN530959
<i>Salvelinus malma</i>	993	30.2	22.7	32.0	15.1	62.2	37.8	MN530960
<i>Salvelinus malma</i>	993	30.2	22.7	32.0	15.1	62.2	37.8	MN530961
<i>Salvelinus malma</i>	992	29.2	23.3	32.2	15.3	61.4	38.6	NC 037502
<i>Salvelinus namaycush</i>	994	29.8	23.5	31.8	14.9	61.6	38.4	MF621745
<i>Salvelinus namaycush</i>	992	29.6	23.7	31.8	14.9	61.4	38.6	MF621742
<i>Salvelinus namaycush</i>	994	29.8	23.5	31.8	14.9	61.6	38.4	MF621744
<i>Salvelinus namaycush</i>	993	29.8	23.5	31.8	14.9	61.6	38.4	MF621746
<i>Salvelinus namaycush</i>	995	29.6	23.7	31.8	14.9	61.4	38.6	MF621747
<i>Salvelinus namaycush</i>	994	29.8	23.4	31.8	15.0	61.6	38.4	MF621748
<i>Salvelinus namaycush</i>	992	29.6	23.7	31.8	14.9	61.4	38.6	NC 036392
<i>Salvelinus schmidtii</i>	994	30.2	22.7	32.1	15.0	62.3	37.7	MW664923
<i>Salvelinus schmidtii</i>	996	30.1	22.9	32.0	15.0	62.1	37.9	MW664924
<i>Salvelinus schmidtii</i>	994	30.2	22.7	32.1	15.0	62.3	37.7	NC 059927
<i>Salvelinus sp.</i>	994	30.1	22.5	32.5	14.9	62.6	37.4	MW181766
<i>Salvelinus sp.</i>	994	30.1	22.5	32.6	14.8	62.7	37.3	MW181767
<i>Salvelinus sp.</i>	994	30.1	22.5	32.5	14.9	62.6	37.4	MW181768
<i>Salvelinus taranetzi</i>	994	30.1	22.5	32.5	14.9	62.6	37.4	MK695630
<i>Salvelinus taranetzi</i>	994	30.1	22.5	32.4	15.0	62.5	37.5	MK695631
<i>Salvelinus taranetzi</i>	994	30.1	22.5	32.5	14.9	62.6	37.4	NC 046710
<i>Salvethymus svetovidovi</i>	993	30.3	22.5	32.6	14.6	62.9	37.1	MK695628
<i>Salvethymus svetovidovi</i>	993	30.4	22.3	32.7	14.6	63.1	36.9	MK695629
<i>Salvethymus svetovidovi</i>	993	30.4	22.4	32.7	14.5	63.1	36.9	NC 046709
<i>Salvethymus svetovidovi</i>	993	30.4	22.4	32.7	14.5	63.1	36.9	MK695627
<i>Stenodus leucichthys</i>	1204	30.8	24.2	30.6	14.4	61.5	38.5	JQ390059
<i>Stenodus leucichthys</i>	1204	30.8	24.2	30.6	14.4	61.5	38.5	NC 020761
<i>Thymallus aeliani</i>	1001	31.6	20.9	32.6	15.0	64.1	35.9	MT063008
<i>Thymallus aeliani</i>	1001	31.7	20.9	32.5	15.0	64.1	35.9	MT063009
<i>Thymallus aeliani</i>	1001	31.6	20.9	32.6	15.0	64.1	35.9	NC 056304
<i>Thymallus arcticus</i>	1003	32.6	20.0	33.4	14.0	66.0	34.0	MF621754
<i>Thymallus arcticus</i>	1003	32.6	19.9	33.5	14.0	66.1	33.9	MF621755
<i>Thymallus arcticus</i>	1003	32.6	20.0	33.4	14.0	66.0	34.0	MF621758
<i>Thymallus arcticus</i>	1003	32.3	20.0	33.4	14.3	65.7	34.3	MT063011
<i>Thymallus arcticus</i>	1003	32.4	20.0	33.3	14.3	65.7	34.3	MT063014
<i>Thymallus arcticus</i>	1003	32.6	19.8	33.4	14.2	66.0	34.0	MT063015
<i>Thymallus arcticus</i>	1003	32.6	19.8	33.4	14.2	66.0	34.0	MT063017
<i>Thymallus arcticus</i>	1000	32.5	20.0	33.3	14.2	65.8	34.2	FJ872559
<i>Thymallus arcticus</i>	1001	32.5	20.7	32.2	14.7	64.6	35.4	KJ866481
<i>Thymallus arcticus</i>	1003	32.6	20.0	33.5	13.9	66.1	33.9	MF621752
<i>Thymallus arcticus</i>	1003	32.6	20.0	33.4	14.0	66.0	34.0	MF621753
<i>Thymallus arcticus</i>	1003	32.5	19.9	33.5	14.1	66.0	34.0	MF621756

<i>Thymallus arcticus</i>	1003	32.6	20.0	33.4	14.0	66.0	34.0	MF621757
<i>Thymallus arcticus</i>	1002	32.5	20.0	33.3	14.2	65.9	34.1	MT063010
<i>Thymallus arcticus</i>	1004	32.7	19.8	33.3	14.2	65.9	34.1	MT063012
<i>Thymallus arcticus</i>	1002	32.3	20.0	33.2	14.5	65.6	34.4	MT063013
<i>Thymallus arcticus</i>	1003	32.6	19.8	33.4	14.2	66.0	34.0	MT063016
<i>Thymallus arcticus</i>	1002	32.5	20.0	33.3	14.2	65.9	34.1	NC 056305
<i>Thymallus baicalensis</i>	1004	33.0	20.2	32.4	14.4	65.3	34.7	MT063022
<i>Thymallus baicalensis</i>	1003	33.1	20.1	32.4	14.4	65.5	34.5	MT063024
<i>Thymallus baicalensis</i>	1004	33.0	20.2	32.4	14.4	65.3	34.7	NC 056306
<i>Thymallus baicalensis</i>	1003	32.9	20.2	32.4	14.5	65.3	34.7	MT063023
<i>Thymallus baicalensis</i>	1003	33.0	20.0	32.6	14.4	65.6	34.4	MT063025
<i>Thymallus baicalensis</i>	1003	33.0	20.0	32.5	14.5	65.5	34.5	MT063026
<i>Thymallus baicalensis</i>	1003	33.0	20.0	32.6	14.4	65.6	34.4	MT063027
<i>Thymallus baicalolenensis</i>	1003	32.9	19.9	32.7	14.5	65.6	34.4	KY078221
<i>Thymallus baicalolenensis</i>	1002	32.8	20.1	32.7	14.4	65.6	34.4	MT063021
<i>Thymallus baicalolenensis</i>	1004	32.9	19.9	32.7	14.5	65.5	34.5	KJ866482
<i>Thymallus baicalolenensis</i>	1003	33.0	19.8	32.7	14.5	65.7	34.3	MT063018
<i>Thymallus baicalolenensis</i>	1002	33.0	20.0	32.6	14.4	65.7	34.3	MT063019
<i>Thymallus baicalolenensis</i>	1003	33.0	19.7	32.6	14.7	65.6	34.4	MT063020
<i>Thymallus baicalolenensis</i>	1003	32.9	19.9	32.7	14.5	65.6	34.4	NC 034294
<i>Thymallus brevicephalus</i>	1001	32.6	20.6	32.2	14.7	64.7	35.3	MT063034
<i>Thymallus brevicephalus</i>	1001	32.6	20.6	32.2	14.7	64.7	35.3	NC 056310
<i>Thymallus brevicephalus</i>	1003	32.6	20.5	32.3	14.6	64.9	35.1	MT063035
<i>Thymallus brevicephalus</i>	1003	32.4	20.7	32.3	14.6	64.7	35.3	MT063036
<i>Thymallus brevirostris</i>	1003	32.3	20.8	32.2	14.7	64.5	35.5	KJ866486
<i>Thymallus brevirostris</i>	1003	32.3	20.8	32.2	14.7	64.5	35.5	MH027384
<i>Thymallus brevirostris</i>	1003	32.5	20.6	32.2	14.7	64.7	35.3	MT063033
<i>Thymallus brevirostris</i>	1003	32.3	20.8	32.2	14.7	64.5	35.5	NC 027412
<i>Thymallus burejensis</i>	1002	33.0	20.4	31.9	14.7	65.0	35.0	MT063037
<i>Thymallus burejensis</i>	1004	32.8	20.4	32.0	14.8	64.7	35.3	NC 027411
<i>Thymallus burejensis</i>	1004	32.8	20.4	32.0	14.8	64.7	35.3	KJ866485
<i>Thymallus burejensis</i>	1002	32.9	20.4	32.1	14.6	65.1	34.9	KY078220
<i>Thymallus grubii</i>	1000	32.3	20.6	32.4	14.7	64.7	35.3	KY078219
<i>Thymallus grubii</i>	1003	32.3	20.7	32.4	14.6	64.7	35.3	KF649073
<i>Thymallus grubii</i>	997	32.5	20.7	32.1	14.7	64.6	35.4	KF692113
<i>Thymallus grubii</i>	1000	32.3	20.6	32.4	14.7	64.7	35.3	MT063038
<i>Thymallus grubii</i>	1003	32.3	20.7	32.4	14.6	64.7	35.3	NC 022925
<i>Thymallus grubii flavomaculatus</i>	1000	32.5	20.9	32.1	14.5	64.6	35.4	KU674353
<i>Thymallus grubii flavomaculatus</i>	1000	32.4	21.1	31.8	14.7	64.2	35.8	KY078215
<i>Thymallus grubii flavomaculatus</i>	1000	32.4	20.8	32.2	14.6	64.6	35.4	KY078216
<i>Thymallus grubii flavomaculatus</i>	1000	32.5	21.0	31.8	14.7	64.3	35.7	MT063039
<i>Thymallus grubii flavomaculatus</i>	1000	32.4	20.9	32.1	14.6	64.5	35.5	KU674354
<i>Thymallus ligericus</i>	1000	32.0	20.6	32.9	14.5	64.9	35.1	MT063046
<i>Thymallus ligericus</i>	999	32.1	20.5	32.9	14.4	65.1	34.9	MT063053
<i>Thymallus ligericus</i>	1000	32.0	20.6	32.9	14.5	64.9	35.1	MT063007
<i>Thymallus ligericus</i>	1000	32.0	20.6	32.9	14.5	64.9	35.1	MT063047
<i>Thymallus ligericus</i>	1000	31.9	20.7	32.9	14.5	64.8	35.2	MT063048
<i>Thymallus ligericus</i>	1000	31.9	20.7	32.9	14.5	64.8	35.2	MT063049
<i>Thymallus ligericus</i>	1000	31.9	20.7	32.9	14.5	64.8	35.2	MT063050
<i>Thymallus ligericus</i>	999	32.1	20.5	32.9	14.4	65.1	34.9	MT063051
<i>Thymallus ligericus</i>	1000	32.0	20.6	33.0	14.4	65.0	35.0	MT063052

<i>Thymallus ligericus</i>	1000	32.0	20.6	32.9	14.5	64.9	35.1	NC 056303
<i>Thymallus mertensii</i>	1004	32.3	20.4	33.3	14.0	65.5	34.5	KT867088
<i>Thymallus mertensii</i>	1004	32.3	20.4	33.3	14.0	65.5	34.5	KT867089
<i>Thymallus mertensii</i>	1004	32.3	20.4	33.3	14.0	65.5	34.5	NC 029216
<i>Thymallus nigrescens</i>	1003	33.1	20.2	32.5	14.2	65.6	34.4	MT063028
<i>Thymallus nigrescens</i>	1003	33.1	20.2	32.5	14.2	65.6	34.4	NC 056307
<i>Thymallus nikolskyi</i>	1003	32.9	20.1	32.3	14.7	65.2	34.8	MT063029
<i>Thymallus nikolskyi</i>	1003	32.8	20.2	32.3	14.7	65.1	34.9	MT063030
<i>Thymallus nikolskyi</i>	1003	32.9	20.1	32.3	14.7	65.2	34.8	NC 056308
<i>Thymallus pallasii</i>	1004	32.9	19.9	32.7	14.5	65.5	34.5	NC 027408
<i>Thymallus svetovidovi</i>	1002	32.4	20.5	32.1	15.0	64.6	35.4	MT063032
<i>Thymallus svetovidovi</i>	1002	32.4	20.5	32.1	15.0	64.6	35.4	MT063031
<i>Thymallus svetovidovi</i>	1002	32.4	20.5	32.1	15.0	64.6	35.4	NC 056309
<i>Thymallus thymallus</i>	1001	32.1	20.6	32.4	15.0	64.4	35.6	FJ853655
<i>Thymallus thymallus</i>	1000	32.2	20.5	32.7	14.6	64.9	35.1	MT062994
<i>Thymallus thymallus</i>	1000	32.2	20.5	32.8	14.5	65.0	35.0	MT062995
<i>Thymallus thymallus</i>	1000	32.1	20.5	33.0	14.4	65.1	34.9	MT062999
<i>Thymallus thymallus</i>	1000	32.2	20.4	33.0	14.4	65.2	34.8	MT063000
<i>Thymallus thymallus</i>	999	32.2	20.5	32.6	14.6	64.9	35.1	MT063001
<i>Thymallus thymallus</i>	1001	32.2	20.6	32.6	14.7	64.7	35.3	MT063002
<i>Thymallus thymallus</i>	1002	32.0	20.7	32.7	14.6	64.8	35.2	MT063004
<i>Thymallus thymallus</i>	1000	31.9	20.9	32.6	14.6	64.5	35.5	MT063041
<i>Thymallus thymallus</i>	1002	32.1	20.6	32.7	14.6	64.9	35.1	MT063045
<i>Thymallus thymallus</i>	1166	32.7	20.1	33.1	14.2	65.8	34.2	MT062993
<i>Thymallus thymallus</i>	1000	32.2	20.5	32.7	14.6	64.9	35.1	MT062996
<i>Thymallus thymallus</i>	1000	32.1	20.8	32.1	15.0	64.2	35.8	MT062997
<i>Thymallus thymallus</i>	1000	32.1	20.7	32.2	15.0	64.3	35.7	MT062998
<i>Thymallus thymallus</i>	1003	32.0	20.7	32.7	14.6	64.7	35.3	MT063003
<i>Thymallus thymallus</i>	1002	31.9	20.9	32.5	14.7	64.5	35.5	MT063005
<i>Thymallus thymallus</i>	1002	32.0	20.9	32.6	14.5	64.7	35.3	MT063006
<i>Thymallus thymallus</i>	1001	32.0	20.9	32.6	14.6	64.5	35.5	MT063040
<i>Thymallus thymallus</i>	1002	32.0	20.9	32.6	14.5	64.7	35.3	MT063042
<i>Thymallus thymallus</i>	1000	31.9	20.9	32.7	14.5	64.6	35.4	MT063043
<i>Thymallus thymallus</i>	997	31.9	20.8	32.5	14.8	64.4	35.6	MT063044
<i>Thymallus thymallus</i>	1008	31.7	20.9	32.8	14.5	64.6	35.4	MT410870
<i>Thymallus thymallus</i>	1001	32.1	20.6	32.4	15.0	64.4	35.6	NC 012928
<i>Thymallus tugarinae</i>	1002	32.5	20.7	31.9	14.9	64.5	35.5	NC 027409
<i>Thymallus tugarinae</i>	1002	32.5	20.7	31.9	14.9	64.5	35.5	KJ866483
<i>Thymallus tugarinae</i>	1004	32.7	20.5	32.0	14.8	64.6	35.4	KY078217
<i>Thymallus tugarinae</i>	1003	32.5	20.8	31.8	14.9	64.3	35.7	KY078218
<i>Thymallus yaluensis</i>	999	32.2	20.8	31.9	15.0	64.2	35.8	KJ866484
<i>Thymallus yaluensis</i>	999	32.2	20.8	31.9	15.0	64.2	35.8	NC 027410