

unique identifier			Consensus Taxonomy Consensus Taxonomy species in t matched to each sequence.		t match to the The dete		ence	Sample identifiers Numbers after the decimal point represent lab replicates of the same sample.			
	ESV	Family	Genus	Species	% match	# Spp	Sequence	S10001.1	S10002.1	S10003.1	S10003.2
	ESV_000031	Catostomidae	Catostomus	Catostomus commersonii	100	1	AAAAAG	3066	1340	5780	3462
	ESV_009176	Moronidae	Morone	Morone americana	100	1	AAAAAG	0	2582	249	0
	ESV_009177	Ictaluridae	Ictalurus	Ictalurus furcatus	100	1	GAAAAG	584	101	0	1039
	ESV_007836	Clupeidae	Alosa	NA	100	2	GAAAAG	1328	0	0	0
	ESV_009179	Clupeidae	Dorosoma	Dorosoma cepedianum	99	1	AAAAAG	902	0	0	278
	ESV_009181	Catostomidae	Erimyzon	Erimyzon oblongus	100	1	ATAAAG	341	124	282	381
	ESV_009182	Moronidae	Morone	Morone saxatilis	100	1	AAAAAG	126	0	0	994

"NA" at a taxonomic ranks means multiple species present in the sample differ in that taxonomic rank

The number in each cell is the absolute number of times a given sequence was read by the sequencer.

ESV detail

Exact Sequence Variant Index identification number. Each sample has an individual index number.					Species Taxor	The % of base pairs in that match to the 100% indicates all base	species.		
	ESV	GB_ID	Phylum	Order	Family	Genus	Species	%match	
	ESV_000031	MG570424	Chordata	Cypriniformes	Catostomidae	Catostomus	Catostomus commersonii	100	
	ESV_000031	MG570423	Chordata	Cypriniformes	Catostomidae	Catostomus	Catostomus commersonii	100	
	ESV_009176	KU641485	Chordata	Perciformes	Moronidae	Morone	Morone americana	100	
	ESV_009176	LC104592	Chordata	Perciformes	Moronidae	Morone	Morone americana	100	
	ESV_007836	HQ331537	Chordata	Clupeiformes	Clupeidae	Alosa	Alosa sapidissima	100	
	ESV_007836	LC091583	Chordata	Clupeiformes	Clupeidae	Alosa	Alosa sapidissima	100	
	ESV_007836	AP009131	Chordata	Clupeiformes	Clupeidae	Alosa	Alosa alosa	100	
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The sequence represented by an ESV is generated from a denoising algorithm. ESVs are generated by examining the most abundant sequences and then removing sequences that have random differences in them as opposed to consistent differences. Those with consistent differences, even just one base difference, become their own ESV instead of being lumped together.

