

	Klapper et al 1996 - Timan - composite standard			Ziegler and
	Taxa	CS base	CS top	Benner
	4 <i>A. curvata</i> (early form)	101.6	119.8	
	5 <i>A. curvata</i> (late form)	107.9	131.6	
	6 <i>A. gigas</i> (form 1)	100.5	108.3	
	7 <i>A. gigas</i> (form 2)	102.5	103.5	
	8 <i>A. nodosa</i>	107.6	131.3	
	10 <i>A. rugosa</i>	98.4	100.3	
	13 <i>A. ancyrognathoideus</i>	101.6	104.8	
	16 <i>A. primus</i>	102	105.4	
	17 <i>Icriodus alternatus</i>	109.4	148.3	
	18 <i>I. subterminus</i>	96.5	128.8	
	19 <i>I. symmetricus</i>	97.5	125.1	
	20 <i>Mehlina gradata</i>	96.6	129.4	
	21 <i>Mesotaxis asymmetrica</i>	96.6	103.6	
	28 <i>Palmatolepis amplificata</i>	108.8	112.5	
	29 <i>P. (rotunda) bogartensis</i>	125	131	
	31 <i>P. bohémica</i>	102.5	105.4	
	32 <i>P. boogaardi</i>	129.6	131.3	
	35 <i>P. plana (domanicensis)</i>	107.9	112.5	
	37 <i>P. ederi</i>	109	111.9	
	38 <i>P. foliacea</i>	121.4	125.1	
	40 <i>P. juntianensis</i>	126.4	130.9	
	41 <i>P. kireevae</i>	106.2	122.2	
	43 <i>P. linguiformis</i>	130.9	131.3	
	44 <i>P. (simpla) ljaschenkoae</i>	107.3	112.5	
	45 <i>P. luscarensis</i>	107.9	111.5	
	46 <i>P. mucronata</i>	107.8	112.5	
	47 <i>P. muelleri</i>	112.1	123.4	
	52 <i>P. proversa</i>	107.5	111.5	
	54 <i>P. punctata</i>	100.8	108.1	
	55 <i>P. rhenana</i>	124.3	130.9	
	56 <i>P. semichatovae</i>	110.1	119.5	
	57 <i>P. spinata</i>	102.8	107.8	
	61 <i>P. triangularis</i>	131.4	141	

	62 P. (subrecta) winchelli	120.4	131.3		
	63 Pelekvsognathus planus	103.8	147.9		
	66 Polygnathus aequalis	103.2	110.1		
	68 P. alatus	96.8	124.6		
	69 P. angustidiscus	96.5	124.6		
	70 P. brevilaminus	131.4	145.9		
	71 P. decorosus	108.3	131.3		
	72 P. elegantulus	103.2	103.5		
	78 P. timanicus	101	103.8		
	82 P. webbi	96.9	131		
	83 Ancyrodella ioides	120.4	121.1		
	complete				



3.5	5.95			3.07	5.35			94	117
				4.45	5.35			102	102
								4	36
3.85	5.65			3.71	3.71			79	117
0.13	5.65			0.4	5.35			79	79
0.25	0.25			4.25	5.35			18	117
0.48	5.95			0.4	5.35			18	119
0.6	3.85			1.62	1.62			79	107
complete				complete				complete	

Zhang et al in prep 2022 - Duan				Zhang et al 2022 in prep - Lali				Ji and Ziegler 1993 - Lali		
Table 1	lower	upper	17	Table 2	lower	upper	18	text	lower	upper
					19	19				
	41	41							50.6	76.1
					18	18			32.5	32.5
									50.6	60.1
					0	2.5			35.1	35.1
									23.7	35.1
					7	7				
	60	61.8			48	49			78.5	78.5
	41	49.4			1	18.1			14.8	60.7
					2.5	4			19.7	22.6
	45.1	51			10	24.5				
	55	56.5			40.7	47			71.2	80.2
	43	43			5.3	8				
	56.5	58.1			41.5	47				
	45.1	51			8	20.8			47.4	58
					18.1	39.4			76.1	78.5
	56.5	56.5			37	43.7			55.1	58
	56.5	56.5			39.4	47			76.1	78.5
	44.1	51			14	19				
	56.5	56.5			45	47				
	44.1	50			7	24.5				
					5.3	8				
	44.5	44.5			10	20.8				
	47.7	54.4								
	44.1	50							43.4	62.9
					5.3	16.8			23.7	52.5
					37	47			66.1	76.1
	48	49			18.1	19				
					5.3	6				
	60	61.8			49	49			81.4	81.4

	53.5	58.1			26.4	47			66.1	80.2
	41	49.4								
					0	6			12.1	32.5
	58.8	61.8							81.4	81.4
					24.5	47				
					48	48			20.5	35.1
					0	47			12.1	80.2
	54.4	56.5			26.4	47			74	78.5
	complete				complete				complete	









