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Supplement of

Geochemical and microstructural characterisation of two species of cool-water bivalves (*Fulvia tenuicostata* and *Soletellina biradiata*) from Western Australia

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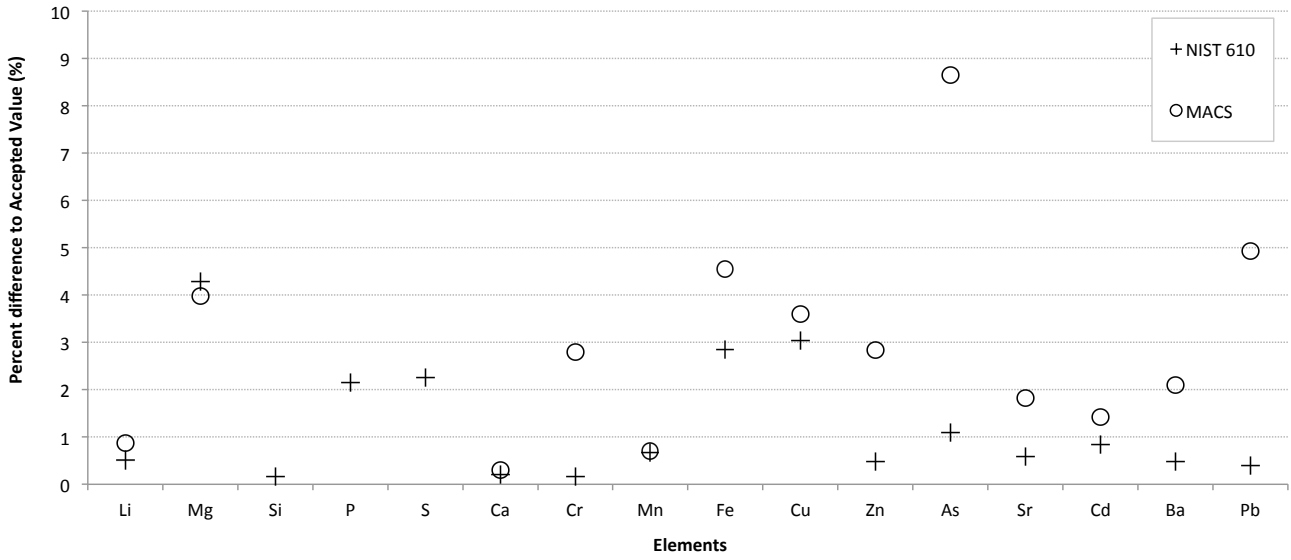
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S1: X-ray diffraction instrumental parameters

Parameter	Settings	
2Theta (θ) range	5 to $90^\circ 2\theta$	
Step size	$0.013^\circ 2\theta$	5
Duration	2 hours	
Spin	16 rpm	
Divergence slit	0.5°	
Incident antiscatter slit	1°	
Detector antiscatter slit	8.0 mm	
Incident beam optic	0.02 radian Soller slit	10
Diffracted beam optic	0.02 radian Soller slit	
Mask	10 mm	

S2: Percent difference between elemental concentrations measured in secondary standards NIST 610 and MACS using primary standard NIST 612 and ^{43}Ca as the internal reference isotope. Most elements reproduced accepted values to within 5%. Note that Mg is slightly overestimated due to a minor but uncorrectable double-charged ^{48}Ca (0.2% total Ca) interference. As appears to be heterogeneously distributed in MACS. NIST 610 and 612 certified values from GEOREM preferred values: <http://geoem.mpch-mainz.gwdg.de> and MACS certified values from Wilson et al. 2008. (uncertainties at 2σ level for all analyses)

5



S3: LA-ICP-MS measurements of transects T1 – T5 of remaining samples (G150, G158, G160 and G172), uncertainties at 2σ level for all analyses.

Sample	Species	Transect	Distance from tip (μm)	Li/Ca		Mg/Ca		P/Ca		S/Ca	
				(mmol/mol)	2σ	(mmol/mol)	2σ	(mmol/mol)	2σ	(mmol/mol)	2σ
G155	<i>F. tenuicostata</i>	T1	148	4.32E-03	5.77E-02	3.59E-01	3.42E-01	1.27E-01	2.77E-01	1.28E+00	1.79E+00
G155	<i>F. tenuicostata</i>	T1	148	4.81E-03	6.66E-02	3.06E-01	3.04E-01	1.09E-01	2.99E-01	1.30E+00	2.40E+00
G155	<i>F. tenuicostata</i>	T1	148	5.28E-03	1.00E-01	3.36E-01	4.48E-01	1.63E-01	5.20E-01	1.54E+00	3.94E+00
G155	<i>F. tenuicostata</i>	T1	148	6.46E-03	9.92E-02	3.04E-01	3.33E-01	1.77E-01	5.23E-01	1.34E+00	2.78E+00
G155	<i>F. tenuicostata</i>	T1	148	5.57E-03	1.23E-01	2.53E-01	3.52E-01	1.14E-01	5.87E-01	1.39E+00	4.33E+00
G155	<i>F. tenuicostata</i>	T2	481	7.47E-03	1.33E-01	3.97E-01	5.31E-01	1.48E-01	6.10E-01	1.28E+00	3.30E+00
G155	<i>F. tenuicostata</i>	T2	481	5.89E-03	8.66E-02	3.40E-01	4.62E-01	1.67E-01	4.53E-01	1.47E+00	3.62E+00
G155	<i>F. tenuicostata</i>	T2	481	6.27E-03	6.66E-02	2.64E-01	2.79E-01	1.54E-01	3.98E-01	1.33E+00	2.12E+00
G155	<i>F. tenuicostata</i>	T2	481	5.00E-03	7.35E-02	2.99E-01	2.55E-01	1.75E-01	4.71E-01	1.38E+00	2.84E+00
G155	<i>F. tenuicostata</i>	T2	481	4.33E-03	1.15E-01	2.32E-01	3.74E-01	1.22E-01	6.04E-01	1.23E+00	3.83E+00
G155	<i>F. tenuicostata</i>	T3	777	6.54E-03	1.00E-01	4.09E-01	6.63E-01	1.39E-01	4.78E-01	1.25E+00	3.26E+00
G155	<i>F. tenuicostata</i>	T3	777	4.24E-03	6.30E-02	3.53E-01	3.45E-01	2.19E-01	4.35E-01	1.32E+00	2.84E+00
G155	<i>F. tenuicostata</i>	T3	777	5.25E-03	8.08E-02	2.70E-01	2.64E-01	1.66E-01	5.43E-01	1.38E+00	3.50E+00
G155	<i>F. tenuicostata</i>	T3	777	4.24E-03	8.77E-02	2.47E-01	3.13E-01	1.40E-01	6.22E-01	1.37E+00	3.01E+00
G155	<i>F. tenuicostata</i>	T3	777	3.92E-03	1.08E-01	2.45E-01	4.18E-01	1.32E-01	5.87E-01	1.35E+00	4.00E+00
G155	<i>F. tenuicostata</i>	T4	148	4.32E-03	5.77E-02	3.59E-01	3.42E-01	1.27E-01	2.77E-01	1.28E+00	1.79E+00
G155	<i>F. tenuicostata</i>	T4	296	5.83E-03	8.00E-02	3.29E-01	2.79E-01	1.45E-01	3.09E-01	1.17E+00	2.12E+00
G155	<i>F. tenuicostata</i>	T4	481	7.47E-03	1.33E-01	3.97E-01	5.31E-01	1.48E-01	6.10E-01	1.28E+00	3.30E+00
G155	<i>F. tenuicostata</i>	T4	629	8.45E-03	1.49E-01	3.58E-01	4.75E-01	9.67E-02	6.67E-01	1.16E+00	4.73E+00
G155	<i>F. tenuicostata</i>	T4	777	6.54E-03	1.00E-01	4.09E-01	6.63E-01	1.39E-01	4.78E-01	1.25E+00	3.26E+00
G155	<i>F. tenuicostata</i>	T4	1036	6.37E-03	1.30E-01	5.47E-01	7.20E-01	2.45E-01	7.11E-01	1.47E+00	4.40E+00
G155	<i>F. tenuicostata</i>	T4	1554	7.53E-03	1.15E-01	5.80E-01	5.03E-01	2.63E-01	6.40E-01	1.41E+00	2.63E+00
G155	<i>F. tenuicostata</i>	T4	2072	7.80E-03	1.00E-01	7.91E-01	7.91E-01	4.12E-01	6.21E-01	1.59E+00	2.81E+00
G155	<i>F. tenuicostata</i>	T4	2719.5	2.37E-02	1.79E-01	7.77E-01	5.94E-01	4.39E-01	6.86E-01	1.76E+00	3.87E+00
G155	<i>F. tenuicostata</i>	T4	3626	8.69E-03	1.49E-01	4.30E-01	7.25E-01	2.12E-01	9.80E-01	1.32E+00	4.73E+00
G155	<i>F. tenuicostata</i>	T4	4403	9.43E-03	1.26E-01	6.57E-01	8.88E-01	3.96E-01	9.79E-01	1.58E+00	4.01E+00
G155	<i>F. tenuicostata</i>	T5	148	5.57E-03	1.23E-01	2.53E-01	3.52E-01	1.14E-01	5.87E-01	1.39E+00	4.33E+00
G155	<i>F. tenuicostata</i>	T5	296	6.01E-03	6.22E-02	2.41E-01	2.41E-01	1.15E-01	2.89E-01	1.33E+00	2.40E+00
G155	<i>F. tenuicostata</i>	T5	481	4.33E-03	1.15E-01	2.32E-01	3.74E-01	1.22E-01	6.04E-01	1.23E+00	3.83E+00
G155	<i>F. tenuicostata</i>	T5	629	8.60E-04	5.77E-02	2.65E-01	2.70E-01	1.37E-01	4.47E-01	1.26E+00	3.07E+00

G155	<i>F. tenuicostata</i>	T5	777	3.92E-03	1.08E-01	2.45E-01	4.18E-01	1.32E-01	5.87E-01	1.35E+00	4.00E+00
G155	<i>F. tenuicostata</i>	T5	1036	4.04E-03	8.25E-02	2.88E-01	3.34E-01	1.34E-01	5.55E-01	1.36E+00	3.57E+00
G155	<i>F. tenuicostata</i>	T5	1554	4.47E-03	1.03E-01	3.09E-01	4.29E-01	1.40E-01	7.62E-01	1.46E+00	3.60E+00
G155	<i>F. tenuicostata</i>	T5	2072	5.13E-03	1.08E-01	3.25E-01	4.74E-01	1.13E-01	5.82E-01	1.56E+00	4.22E+00
G155	<i>F. tenuicostata</i>	T5	2719.5	1.78E-03	6.93E-02	3.31E-01	3.96E-01	1.09E-01	6.34E-01	1.54E+00	3.75E+00
G155	<i>F. tenuicostata</i>	T5	3626	3.31E-03	7.90E-02	3.54E-01	3.82E-01	1.01E-01	4.22E-01	1.47E+00	3.82E+00
G155	<i>F. tenuicostata</i>	T5	4403	3.95E-03	9.27E-02	3.49E-01	4.89E-01	1.01E-01	5.75E-01	1.28E+00	3.86E+00
G158	<i>F. tenuicostata</i>	T1	2000	9.07E-03	1.11E-01	1.00E+00	1.93E+00	7.01E-01	1.27E+00	2.89E+00	7.98E+00
G158	<i>F. tenuicostata</i>	T1	2000	7.44E-03	1.03E-01	7.31E-01	1.48E+00	5.92E-01	1.18E+00	2.71E+00	7.22E+00
G158	<i>F. tenuicostata</i>	T1	2000	1.01E-02	6.66E-02	6.74E-01	9.13E-01	4.53E-01	7.17E-01	2.54E+00	3.17E+00
G158	<i>F. tenuicostata</i>	T1	2000	8.44E-03	8.40E-02	5.11E-01	5.85E-01	2.50E-01	5.29E-01	2.01E+00	3.86E+00
G158	<i>F. tenuicostata</i>	T1	2000	6.73E-03	8.40E-02	5.12E-01	7.65E-01	2.05E-01	4.00E-01	1.92E+00	2.84E+00
G158	<i>F. tenuicostata</i>	T1	2000	1.20E-02	2.03E-01	9.89E-01	3.97E+00	3.36E-01	1.13E+00	2.80E+00	9.72E+00
G158	<i>F. tenuicostata</i>	T2	2500	6.16E-03	1.10E-01	8.49E-01	1.75E+00	7.21E-01	1.06E+00	2.86E+00	7.91E+00
G158	<i>F. tenuicostata</i>	T2	2500	1.07E-02	1.15E-01	7.45E-01	1.45E+00	5.76E-01	6.99E-01	2.68E+00	6.00E+00
G158	<i>F. tenuicostata</i>	T2	2500	1.05E-02	1.03E-01	8.29E-01	3.66E+00	5.23E-01	1.15E+00	2.49E+00	5.00E+00
G158	<i>F. tenuicostata</i>	T2	2500	9.33E-03	1.05E-01	7.15E-01	2.40E+00	3.22E-01	6.35E-01	2.24E+00	4.66E+00
G158	<i>F. tenuicostata</i>	T2	2500	1.05E-02	1.10E-01	6.15E-01	1.34E+00	2.31E-01	5.95E-01	1.95E+00	4.25E+00
G158	<i>F. tenuicostata</i>	T2	2500	9.62E-03	1.87E-01	8.57E-01	4.57E+00	2.55E-01	9.95E-01	3.51E+00	1.12E+01
G158	<i>F. tenuicostata</i>	T3	2875	1.21E-02	1.40E-01	9.51E-01	1.81E+00	6.52E-01	1.05E+00	2.65E+00	5.36E+00
G158	<i>F. tenuicostata</i>	T3	2875	1.16E-02	1.03E-01	9.45E-01	2.93E+00	6.01E-01	7.48E-01	2.49E+00	5.42E+00
G158	<i>F. tenuicostata</i>	T3	2875	1.25E-02	7.22E-02	8.46E-01	1.26E+00	5.41E-01	9.17E-01	2.53E+00	4.58E+00
G158	<i>F. tenuicostata</i>	T3	2875	1.12E-02	8.92E-02	7.93E-01	3.00E+00	3.39E-01	6.00E-01	2.11E+00	3.64E+00
G158	<i>F. tenuicostata</i>	T3	2875	9.07E-03	7.22E-02	6.50E-01	1.65E+00	2.06E-01	4.64E-01	1.85E+00	3.54E+00
G158	<i>F. tenuicostata</i>	T3	2875	9.78E-03	1.35E-01	1.08E+00	8.55E+00	3.03E-01	7.03E-01	2.50E+00	7.56E+00
G158	<i>F. tenuicostata</i>	T4	500	9.96E-03	7.38E-02	3.55E+00	8.06E+01	6.15E-01	7.05E-01	2.62E+00	5.76E+00
G158	<i>F. tenuicostata</i>	T4	1000	1.21E-02	2.53E-01	1.95E+00	4.69E+01	7.12E-01	9.75E-01	2.69E+00	4.42E+00
G158	<i>F. tenuicostata</i>	T4	2000	9.07E-03	1.11E-01	1.00E+00	1.93E+00	7.01E-01	1.27E+00	2.89E+00	7.98E+00
G158	<i>F. tenuicostata</i>	T4	2125	1.18E-02	1.95E-01	1.21E+00	4.95E+00	7.45E-01	1.31E+00	2.76E+00	4.84E+00
G158	<i>F. tenuicostata</i>	T4	2500	6.16E-03	1.10E-01	8.49E-01	1.75E+00	7.21E-01	1.06E+00	2.86E+00	7.91E+00
G158	<i>F. tenuicostata</i>	T4	2625	9.79E-03	7.84E-02	9.62E-01	2.00E+00	7.10E-01	1.29E+00	2.69E+00	3.48E+00
G158	<i>F. tenuicostata</i>	T4	2875	1.21E-02	1.40E-01	9.51E-01	1.81E+00	6.52E-01	1.05E+00	2.65E+00	5.36E+00

G158	<i>F. tenuicostata</i>	T4	4125	1.44E-02	1.67E-01	8.99E-01	2.15E+00	6.82E-01	1.26E+00	2.76E+00	6.74E+00
G158	<i>F. tenuicostata</i>	T4	5125	1.39E-02	1.51E-01	1.26E+00	1.22E+00	8.26E-01	1.76E+00	2.86E+00	7.24E+00
G158	<i>F. tenuicostata</i>	T4	6125	1.49E-02	9.97E-02	1.02E+00	8.25E-01	8.14E-01	1.18E+00	2.85E+00	4.55E+00
G158	<i>F. tenuicostata</i>	T4	8000	3.32E-02	1.78E-01	1.17E+00	7.20E-01	9.22E-01	9.76E-01	2.83E+00	4.32E+00
G158	<i>F. tenuicostata</i>	T5	2000	1.20E-02	2.03E-01	9.89E-01	3.97E+00	3.36E-01	1.13E+00	2.80E+00	9.72E+00
G158	<i>F. tenuicostata</i>	T5	2500	9.62E-03	1.87E-01	8.57E-01	4.57E+00	2.55E-01	9.95E-01	3.51E+00	1.12E+01
G158	<i>F. tenuicostata</i>	T5	2875	9.78E-03	1.35E-01	1.08E+00	8.55E+00	3.03E-01	7.03E-01	2.50E+00	7.56E+00
G158	<i>F. tenuicostata</i>	T5	5125	1.06E-02	1.66E-01	8.15E-01	1.40E+00	2.62E-01	9.41E-01	2.29E+00	7.95E+00
G158	<i>F. tenuicostata</i>	T5	6125	7.97E-03	1.92E-01	1.46E+00	3.68E+00	4.91E-01	1.63E+00	4.15E+00	1.83E+01
G160	<i>F. tenuicostata</i>	T1	277	7.07E-03	6.74E-02	2.41E-01	3.02E-01	7.34E-02	3.02E-01	9.94E-01	2.08E+00
G160	<i>F. tenuicostata</i>	T1	277	7.16E-03	7.51E-02	5.04E-01	6.27E-01	2.17E-01	4.53E-01	1.40E+00	3.00E+00
G160	<i>F. tenuicostata</i>	T1	277	6.99E-03	1.17E-01	3.19E-01	4.68E-01	1.38E-01	6.47E-01	1.57E+00	3.89E+00
G160	<i>F. tenuicostata</i>	T1	277	1.12E-02	1.30E-01	2.73E-01	3.71E-01	1.33E-01	4.53E-01	1.39E+00	2.81E+00
G160	<i>F. tenuicostata</i>	T1	277	1.65E-02	8.66E-02	4.37E-01	3.02E-01	9.18E-02	3.67E-01	1.43E+00	2.40E+00
G160	<i>F. tenuicostata</i>	T1	277	9.69E-03	9.41E-02	2.69E-01	2.87E-01	1.18E-01	3.52E-01	1.56E+00	2.72E+00
G160	<i>F. tenuicostata</i>	T2	611	6.44E-03	6.42E-02	2.13E-01	2.00E-01	4.56E-02	3.40E-01	8.21E-01	2.53E+00
G160	<i>F. tenuicostata</i>	T2	611	8.02E-03	4.69E-02	2.74E-01	2.99E-01	1.40E-01	3.40E-01	1.17E+00	1.56E+00
G160	<i>F. tenuicostata</i>	T2	611	6.03E-03	4.95E-02	3.01E-01	2.47E-01	1.95E-01	3.60E-01	1.50E+00	2.41E+00
G160	<i>F. tenuicostata</i>	T2	611	6.46E-03	8.45E-02	3.05E-01	3.42E-01	2.11E-01	6.15E-01	1.48E+00	2.74E+00
G160	<i>F. tenuicostata</i>	T2	611	1.48E-02	1.53E-01	4.17E-01	5.64E-01	1.19E-01	4.91E-01	1.45E+00	3.48E+00
G160	<i>F. tenuicostata</i>	T2	611	1.03E-02	1.15E-01	2.89E-01	3.09E-01	1.16E-01	5.50E-01	1.57E+00	4.06E+00
G160	<i>F. tenuicostata</i>	T3	944	5.28E-03	1.05E-01	4.05E-01	6.25E-01	4.27E-02	5.29E-01	9.02E-01	3.98E+00
G160	<i>F. tenuicostata</i>	T3	944	8.43E-03	1.05E-01	2.99E-01	3.43E-01	1.29E-01	5.88E-01	1.13E+00	3.25E+00
G160	<i>F. tenuicostata</i>	T3	944	7.11E-03	6.82E-02	2.49E-01	3.15E-01	1.16E-01	3.88E-01	1.30E+00	2.39E+00
G160	<i>F. tenuicostata</i>	T3	944	7.06E-03	7.51E-02	2.23E-01	1.98E-01	1.25E-01	4.14E-01	1.38E+00	2.50E+00
G160	<i>F. tenuicostata</i>	T3	944	6.66E-03	7.45E-02	2.18E-01	3.19E-01	1.12E-01	3.90E-01	1.28E+00	2.69E+00
G160	<i>F. tenuicostata</i>	T3	944	7.65E-03	1.05E-01	3.22E-01	5.25E-01	1.20E-01	4.71E-01	1.63E+00	5.49E+00
G160	<i>F. tenuicostata</i>	T4	277	4.54E-03	3.79E-02	3.45E-01	3.18E-01	5.85E-02	2.40E-01	1.33E+00	2.59E+00
G160	<i>F. tenuicostata</i>	T4	444	5.03E-03	4.89E-02	5.07E-01	6.60E-01	2.29E-02	2.29E-01	1.70E+00	2.79E+00
G160	<i>F. tenuicostata</i>	T4	611	6.02E-03	7.51E-02	4.73E-01	8.90E-01	2.73E-02	3.11E-01	1.56E+00	3.25E+00
G160	<i>F. tenuicostata</i>	T4	777	4.54E-03	3.79E-02	3.45E-01	3.18E-01	5.85E-02	2.40E-01	1.33E+00	2.59E+00
G160	<i>F. tenuicostata</i>	T4	944	5.24E-03	7.66E-02	3.37E-01	4.04E-01	2.95E-02	3.43E-01	1.37E+00	3.06E+00

G160	<i>F. tenuicostata</i>	T4	1277	5.03E-03	4.89E-02	5.07E-01	6.60E-01	2.29E-02	2.29E-01	1.70E+00	2.79E+00
G160	<i>F. tenuicostata</i>	T4	1611	6.47E-03	6.82E-02	3.38E-01	4.35E-01	2.90E-02	3.41E-01	1.38E+00	2.95E+00
G160	<i>F. tenuicostata</i>	T4	1666	4.54E-03	3.79E-02	3.45E-01	3.18E-01	5.85E-02	2.40E-01	1.33E+00	2.59E+00
G160	<i>F. tenuicostata</i>	T4	1944	4.78E-03	4.89E-02	7.01E-01	4.82E-01	1.88E-02	2.59E-01	3.91E+00	4.81E+00
G160	<i>F. tenuicostata</i>	T4	2277	3.30E-03	4.99E-02	8.03E-01	1.17E+00	1.64E-02	2.59E-01	4.29E+00	4.66E+00
G160	<i>F. tenuicostata</i>	T4	2555	6.02E-03	7.51E-02	4.73E-01	8.90E-01	2.73E-02	3.11E-01	1.56E+00	3.25E+00
G160	<i>F. tenuicostata</i>	T4	2888	7.83E-03	6.22E-02	6.82E-01	6.09E-01	9.10E-03	1.99E-01	2.74E+00	3.65E+00
G160	<i>F. tenuicostata</i>	T4	3333	7.83E-03	6.22E-02	6.82E-01	6.09E-01	9.10E-03	1.99E-01	2.74E+00	3.65E+00
G160	<i>F. tenuicostata</i>	T5	277	6.50E-03	8.08E-02	3.65E-01	5.61E-01	2.33E-02	3.75E-01	1.33E+00	3.25E+00
G160	<i>F. tenuicostata</i>	T5	444	5.29E-03	6.62E-02	1.14E+00	1.34E+00	2.31E-02	3.77E-01	2.82E+00	4.95E+00
G160	<i>F. tenuicostata</i>	T5	611	5.29E-03	6.62E-02	1.14E+00	1.34E+00	2.31E-02	3.77E-01	2.82E+00	4.95E+00
G160	<i>F. tenuicostata</i>	T5	777	6.50E-03	8.08E-02	3.65E-01	5.61E-01	2.33E-02	3.75E-01	1.33E+00	3.25E+00
G160	<i>F. tenuicostata</i>	T5	944	6.16E-03	6.26E-02	3.80E-01	4.40E-01	9.63E-03	2.80E-01	1.49E+00	3.02E+00
G160	<i>F. tenuicostata</i>	T5	1277	5.29E-03	6.62E-02	1.14E+00	1.34E+00	2.31E-02	3.77E-01	2.82E+00	4.95E+00
G160	<i>F. tenuicostata</i>	T5	1611	6.16E-03	6.26E-02	3.80E-01	4.40E-01	9.63E-03	2.80E-01	1.49E+00	3.02E+00
G160	<i>F. tenuicostata</i>	T5	1666	6.50E-03	8.08E-02	3.65E-01	5.61E-01	2.33E-02	3.75E-01	1.33E+00	3.25E+00
G160	<i>F. tenuicostata</i>	T5	1944	5.10E-03	4.76E-02	3.58E-01	4.12E-01	3.43E-02	2.26E-01	1.27E+00	2.92E+00
G160	<i>F. tenuicostata</i>	T5	2277	8.52E-03	9.45E-02	4.01E-01	3.75E-01	6.47E-02	2.47E-01	1.25E+00	3.07E+00
G160	<i>F. tenuicostata</i>	T5	2555	4.99E-03	7.14E-02	5.53E-01	1.00E+00	2.14E-02	2.33E-01	2.95E+00	5.34E+00
G160	<i>F. tenuicostata</i>	T5	2888	4.90E-03	4.23E-02	7.05E-01	5.61E-01	1.97E-02	1.90E-01	3.82E+00	3.67E+00
G160	<i>F. tenuicostata</i>	T5	3333	4.90E-03	4.23E-02	7.05E-01	5.61E-01	1.97E-02	1.90E-01	3.82E+00	3.67E+00
G171	<i>S. biradiata</i>	T1	166	4.54E-03	3.79E-02	3.45E-01	3.18E-01	5.85E-02	2.40E-01	1.33E+00	2.59E+00
G171	<i>S. biradiata</i>	T1	166	6.47E-03	6.82E-02	3.38E-01	4.35E-01	2.90E-02	3.41E-01	1.38E+00	2.95E+00
G171	<i>S. biradiata</i>	T1	166	5.03E-03	4.89E-02	5.07E-01	6.60E-01	2.29E-02	2.29E-01	1.70E+00	2.79E+00
G171	<i>S. biradiata</i>	T1	166	4.54E-03	9.12E-02	1.04E+00	1.76E+00	2.23E-02	4.43E-01	3.20E+00	6.09E+00
G171	<i>S. biradiata</i>	T1	166	6.21E-03	4.95E-02	5.66E-01	5.54E-01	3.13E-02	2.59E-01	2.59E+00	3.12E+00
G171	<i>S. biradiata</i>	T1	166	3.09E-03	7.60E-02	5.40E-01	1.02E+00	1.95E-02	4.09E-01	2.88E+00	6.25E+00
G171	<i>S. biradiata</i>	T1	166	4.10E-03	6.04E-02	8.64E-01	1.35E+00	1.83E-02	3.53E-01	4.12E+00	6.39E+00
G171	<i>S. biradiata</i>	T1	166	5.97E-03	9.88E-02	8.09E-01	1.35E+00	2.22E-02	3.58E-01	4.31E+00	7.07E+00
G171	<i>S. biradiata</i>	T2	555	3.74E-03	3.96E-02	3.17E-01	3.42E-01	4.04E-02	1.94E-01	1.23E+00	2.05E+00
G171	<i>S. biradiata</i>	T2	555	5.24E-03	7.66E-02	3.37E-01	4.04E-01	2.95E-02	3.43E-01	1.37E+00	3.06E+00
G171	<i>S. biradiata</i>	T2	555	6.02E-03	7.51E-02	4.73E-01	8.90E-01	2.73E-02	3.11E-01	1.56E+00	3.25E+00

G171	<i>S.biradiata</i>	T2	555	4.75E-03	5.29E-02	9.90E-01	8.79E-01	1.45E-02	2.70E-01	2.83E+00	4.58E+00
G171	<i>S.biradiata</i>	T2	555	4.86E-03	5.29E-02	5.84E-01	4.95E-01	3.36E-02	2.80E-01	2.53E+00	3.54E+00
G171	<i>S.biradiata</i>	T2	555	5.86E-03	7.35E-02	3.37E-01	5.10E-01	1.67E-02	3.18E-01	2.62E+00	4.09E+00
G171	<i>S.biradiata</i>	T2	555	3.30E-03	4.99E-02	8.03E-01	1.17E+00	1.64E-02	2.59E-01	4.29E+00	4.66E+00
G171	<i>S.biradiata</i>	T2	555	4.78E-03	4.89E-02	7.01E-01	4.82E-01	1.88E-02	2.59E-01	3.91E+00	4.81E+00
G171	<i>S.biradiata</i>	T3	999	8.52E-03	9.45E-02	4.01E-01	3.75E-01	6.47E-02	2.47E-01	1.25E+00	3.07E+00
G171	<i>S.biradiata</i>	T3	999	5.10E-03	4.76E-02	3.58E-01	4.12E-01	3.43E-02	2.26E-01	1.27E+00	2.92E+00
G171	<i>S.biradiata</i>	T3	999	6.50E-03	8.08E-02	3.65E-01	5.61E-01	2.33E-02	3.75E-01	1.33E+00	3.25E+00
G171	<i>S.biradiata</i>	T3	999	6.16E-03	6.26E-02	3.80E-01	4.40E-01	9.63E-03	2.80E-01	1.49E+00	3.02E+00
G171	<i>S.biradiata</i>	T3	999	5.29E-03	6.62E-02	1.14E+00	1.34E+00	2.31E-02	3.77E-01	2.82E+00	4.95E+00
G171	<i>S.biradiata</i>	T3	999	7.83E-03	6.22E-02	6.82E-01	6.09E-01	9.10E-03	1.99E-01	2.74E+00	3.65E+00
G171	<i>S.biradiata</i>	T3	999	5.20E-03	8.34E-02	4.19E-01	7.33E-01	3.33E-03	3.31E-01	3.18E+00	5.97E+00
G171	<i>S.biradiata</i>	T3	999	5.19E-03	8.83E-02	7.11E-01	8.73E-01	1.33E-02	3.65E-01	3.93E+00	6.91E+00
G171	<i>S.biradiata</i>	T4	166	6.47E-03	6.82E-02	3.38E-01	4.35E-01	2.90E-02	3.41E-01	1.38E+00	2.95E+00
G171	<i>S.biradiata</i>	T4	333	4.37E-03	4.54E-02	6.17E-01	3.65E-01	5.56E-03	2.03E-01	5.33E+00	6.25E+00
G171	<i>S.biradiata</i>	T4	555	6.00E-03	8.73E-02	1.40E-01	2.68E-01	1.53E-01	7.07E-01	9.63E-01	3.49E+00
G171	<i>S.biradiata</i>	T4	777	5.70E-03	5.77E-02	6.18E-01	5.96E-01	1.67E-02	3.38E-01	4.21E+00	5.67E+00
G171	<i>S.biradiata</i>	T4	999	6.44E-03	7.00E-02	1.37E-01	2.33E-01	5.38E-02	4.18E-01	8.04E-01	2.78E+00
G171	<i>S.biradiata</i>	T4	1333	4.51E-03	3.73E-02	3.55E-01	3.90E-01	4.88E-02	2.94E-01	1.35E+00	2.39E+00
G171	<i>S.biradiata</i>	T4	1777	4.91E-03	5.29E-02	3.52E-01	3.57E-01	4.30E-02	2.70E-01	1.28E+00	2.92E+00
G171	<i>S.biradiata</i>	T4	2333	5.44E-03	4.31E-02	3.53E-01	3.93E-01	5.35E-02	2.59E-01	1.33E+00	2.02E+00
G171	<i>S.biradiata</i>	T4	2833	5.98E-03	8.35E-02	4.10E-01	6.16E-01	8.60E-02	4.99E-01	1.31E+00	3.61E+00
G171	<i>S.biradiata</i>	T4	3333	6.83E-03	8.94E-02	4.06E-01	4.91E-01	8.92E-02	4.31E-01	1.34E+00	3.87E+00
G171	<i>S.biradiata</i>	T5	166	5.97E-03	9.88E-02	8.09E-01	1.35E+00	2.22E-02	3.58E-01	4.31E+00	7.07E+00
G171	<i>S.biradiata</i>	T5	333	6.44E-03	7.00E-02	1.37E-01	2.33E-01	5.38E-02	4.18E-01	8.04E-01	2.78E+00
G171	<i>S.biradiata</i>	T5	555	4.78E-03	4.89E-02	7.01E-01	4.82E-01	1.88E-02	2.59E-01	3.91E+00	4.81E+00
G171	<i>S.biradiata</i>	T5	777	3.79E-03	5.89E-02	6.94E-01	8.75E-01	2.32E-02	3.70E-01	4.65E+00	6.63E+00
G171	<i>S.biradiata</i>	T5	999	6.00E-03	8.73E-02	1.40E-01	2.68E-01	1.53E-01	7.07E-01	9.63E-01	3.49E+00
G171	<i>S.biradiata</i>	T5	1333	3.75E-03	5.29E-02	6.69E-01	6.46E-01	-3.23E-03	2.48E-01	4.41E+00	4.90E+00
G171	<i>S.biradiata</i>	T5	1777	6.87E-03	6.16E-02	6.50E-01	6.05E-01	1.31E-03	2.67E-01	4.54E+00	5.00E+00
G171	<i>S.biradiata</i>	T5	2333	5.70E-03	5.77E-02	6.18E-01	5.96E-01	1.67E-02	3.38E-01	4.21E+00	5.67E+00
G171	<i>S.biradiata</i>	T5	2833	3.79E-03	5.89E-02	6.94E-01	8.75E-01	2.32E-02	3.70E-01	4.65E+00	6.63E+00

G171	<i>S.biradiata</i>	T5	3333	4.37E-03	4.54E-02	6.17E-01	3.65E-01	5.56E-03	2.03E-01	5.33E+00	6.25E+00
G172	<i>S. biradiata</i>	T1	166	4.91E-03	1.22E-01	8.45E-01	1.17E+00	9.71E-04	6.27E-01	2.15E+00	5.68E+00
G172	<i>S. biradiata</i>	T1	166	1.91E-03	7.53E-02	8.86E-01	7.53E-01	1.72E-02	4.92E-01	3.25E+00	5.30E+00
G172	<i>S. biradiata</i>	T1	166	3.35E-03	1.19E-01	3.69E-01	5.12E-01	1.70E-02	7.36E-01	2.16E+00	6.47E+00
G172	<i>S. biradiata</i>	T1	166	3.67E-03	7.51E-02	9.61E-01	8.41E-01	1.55E-02	3.88E-01	2.99E+00	3.87E+00
G172	<i>S. biradiata</i>	T1	166	4.46E-03	1.65E-01	6.75E-01	9.42E-01	2.32E-02	7.86E-01	2.19E+00	7.37E+00
G172	<i>S. biradiata</i>	T2	555	5.13E-03	1.02E-01	1.24E+00	1.43E+00	6.76E-02	4.41E-01	2.30E+00	4.67E+00
G172	<i>S. biradiata</i>	T2	555	3.47E-03	1.92E-01	6.71E-01	1.82E+00	2.04E-02	1.19E+00	1.79E+00	9.29E+00
G172	<i>S. biradiata</i>	T2	555	2.36E-03	1.50E-01	3.41E-01	8.90E-01	8.92E-03	7.51E-01	1.87E+00	7.00E+00
G172	<i>S. biradiata</i>	T2	555	3.80E-03	8.47E-02	1.10E+00	1.28E+00	1.38E-02	4.66E-01	3.05E+00	6.00E+00
G172	<i>S. biradiata</i>	T2	555	5.00E-03	9.62E-02	5.97E-01	4.40E-01	1.15E-02	4.89E-01	2.16E+00	4.58E+00
G172	<i>S. biradiata</i>	T3	1000	5.40E-03	1.11E-01	8.62E-01	1.27E+00	6.93E-02	4.98E-01	1.23E+00	4.17E+00
G172	<i>S. biradiata</i>	T3	1000	5.72E-03	8.25E-02	4.07E-01	4.38E-01	1.38E-02	3.96E-01	1.52E+00	3.19E+00
G172	<i>S. biradiata</i>	T3	1000	4.93E-03	1.21E-01	1.11E+00	1.50E+00	1.46E-02	5.79E-01	2.58E+00	6.90E+00
G172	<i>S. biradiata</i>	T3	1000	2.31E-03	7.79E-02	4.55E-01	5.74E-01	7.45E-03	4.36E-01	2.26E+00	4.92E+00
G172	<i>S. biradiata</i>	T3	1000	5.18E-03	9.15E-02	4.24E-01	4.63E-01	1.03E-02	4.73E-01	2.28E+00	5.03E+00
G172	<i>S. biradiata</i>	T3	1000	7.64E-03	1.10E-01	7.38E-01	6.67E-01	9.45E-02	4.93E-01	1.21E+00	4.32E+00
G172	<i>S. biradiata</i>	T4	166	9.44E-03	1.72E-01	4.72E-01	6.94E-01	1.54E-01	6.81E-01	1.59E+00	5.26E+00
G172	<i>S. biradiata</i>	T4	333	7.06E-03	2.01E-01	4.00E-01	8.96E-01	9.42E-02	8.16E-01	1.86E+00	7.61E+00
G172	<i>S. biradiata</i>	T4	555	5.65E-03	1.04E-01	1.40E+00	1.28E+00	3.30E-02	3.95E-01	2.84E+00	6.94E+00
G172	<i>S. biradiata</i>	T4	777	5.01E-03	1.76E-01	8.96E-01	1.60E+00	1.22E-02	8.99E-01	3.00E+00	1.11E+01
G172	<i>S. biradiata</i>	T4	1000	2.93E-03	1.50E-01	8.30E-01	9.23E-01	-5.59E-03	5.95E-01	2.84E+00	8.25E+00
G172	<i>S. biradiata</i>	T4	1333	5.00E-03	1.59E-01	9.21E-01	1.94E+00	5.60E-03	7.12E-01	3.54E+00	1.25E+01
G172	<i>S. biradiata</i>	T4	1777	3.19E-03	1.08E-01	9.73E-01	9.78E-01	3.25E-03	5.04E-01	2.98E+00	8.47E+00
G172	<i>S. biradiata</i>	T5	166	1.06E-02	1.10E-01	3.96E-01	4.17E-01	1.37E-01	5.57E-01	1.60E+00	4.11E+00
G172	<i>S. biradiata</i>	T5	333	7.41E-03	1.49E-01	4.07E-01	4.26E-01	8.24E-02	5.84E-01	1.98E+00	5.04E+00
G172	<i>S. biradiata</i>	T5	555	4.11E-03	1.07E-01	1.55E+00	1.40E+00	1.81E-02	4.58E-01	3.38E+00	6.92E+00
G172	<i>S. biradiata</i>	T5	777	6.65E-03	1.14E-01	1.04E+00	1.41E+00	-3.31E-04	5.30E-01	3.49E+00	8.61E+00
G172	<i>S. biradiata</i>	T5	1000	3.52E-03	8.13E-02	8.42E-01	7.90E-01	5.92E-03	3.28E-01	3.12E+00	5.81E+00
G172	<i>S. biradiata</i>	T5	1333	3.66E-03	1.05E-01	1.13E+00	1.82E+00	1.31E-03	6.20E-01	3.87E+00	1.15E+01
G172	<i>S. biradiata</i>	T5	1777	2.39E-03	1.08E-01	1.07E+00	1.35E+00	-3.97E-03	6.18E-01	3.36E+00	9.37E+00

Sample	Species	Transect	Distance from tip (μm)	Mn/Ca		Sr/Ca		Ba/Ca		Pb/Ca	
				(mmol/mol)	2 σ	(mmol/mol)	2 σ	(mmol/mol)	2 σ	(mmol/mol)	2 σ
G155	<i>F. tenuicostata</i>	T1	148	1.15E-03	8.86E-03	1.87E+00	1.47E+00	2.74E-03	2.50E-03	2.97E-05	8.29E-05
G155	<i>F. tenuicostata</i>	T1	148	4.05E-04	1.12E-02	1.92E+00	2.15E+00	1.63E-03	1.75E-03	2.89E-05	7.89E-05
G155	<i>F. tenuicostata</i>	T1	148	-7.03E-04	1.74E-02	2.56E+00	3.53E+00	1.93E-03	2.51E-03	5.22E-05	1.53E-04
G155	<i>F. tenuicostata</i>	T1	148	-5.57E-04	1.62E-02	2.93E+00	3.93E+00	2.73E-03	3.24E-03	3.75E-05	1.19E-04
G155	<i>F. tenuicostata</i>	T1	148	3.61E-05	1.95E-02	2.03E+00	2.38E+00	1.19E-03	2.06E-03	8.32E-05	2.58E-04
G155	<i>F. tenuicostata</i>	T2	481	1.85E-04	1.93E-02	1.92E+00	2.52E+00	3.03E-03	3.69E-03	3.81E-05	1.60E-04
G155	<i>F. tenuicostata</i>	T2	481	1.86E-03	1.68E-02	2.32E+00	1.69E+00	2.94E-03	2.92E-03	4.06E-05	1.26E-04
G155	<i>F. tenuicostata</i>	T2	481	-1.98E-04	1.07E-02	2.78E+00	2.50E+00	2.04E-03	2.07E-03	4.59E-05	1.10E-04
G155	<i>F. tenuicostata</i>	T2	481	-1.63E-04	1.26E-02	3.30E+00	2.66E+00	2.00E-03	2.07E-03	5.43E-05	1.32E-04
G155	<i>F. tenuicostata</i>	T2	481	-4.72E-04	1.95E-02	2.31E+00	2.44E+00	1.43E-03	1.91E-03	9.37E-05	2.45E-04
G155	<i>F. tenuicostata</i>	T3	777	9.58E-04	1.90E-02	1.92E+00	1.89E+00	1.58E-03	2.28E-03	4.10E-05	1.77E-04
G155	<i>F. tenuicostata</i>	T3	777	2.51E-03	1.33E-02	2.37E+00	2.37E+00	3.18E-03	3.18E-03	4.83E-05	1.07E-04
G155	<i>F. tenuicostata</i>	T3	777	8.29E-04	2.04E-02	2.86E+00	1.97E+00	2.81E-03	3.50E-03	5.09E-05	1.24E-04
G155	<i>F. tenuicostata</i>	T3	777	1.48E-04	1.85E-02	2.60E+00	2.08E+00	1.26E-03	2.07E-03	6.44E-05	1.76E-04
G155	<i>F. tenuicostata</i>	T3	777	-4.40E-04	2.53E-02	2.20E+00	2.56E+00	1.46E-03	2.65E-03	9.05E-05	2.84E-04
G155	<i>F. tenuicostata</i>	T4	148	1.15E-03	8.86E-03	1.87E+00	1.47E+00	2.74E-03	2.50E-03	2.97E-05	8.29E-05
G155	<i>F. tenuicostata</i>	T4	296	6.82E-04	1.23E-02	1.96E+00	1.62E+00	2.61E-03	2.92E-03	3.14E-05	9.37E-05
G155	<i>F. tenuicostata</i>	T4	481	1.85E-04	1.93E-02	1.92E+00	2.52E+00	3.03E-03	3.69E-03	3.81E-05	1.60E-04
G155	<i>F. tenuicostata</i>	T4	629	-6.93E-04	2.10E-02	1.86E+00	2.43E+00	2.29E-03	3.89E-03	3.21E-05	1.61E-04
G155	<i>F. tenuicostata</i>	T4	777	9.58E-04	1.90E-02	1.92E+00	1.89E+00	1.58E-03	2.28E-03	4.10E-05	1.77E-04
G155	<i>F. tenuicostata</i>	T4	1036	-3.74E-05	2.47E-02	2.19E+00	3.03E+00	2.21E-03	3.82E-03	4.90E-05	2.45E-04
G155	<i>F. tenuicostata</i>	T4	1554	9.70E-04	1.77E-02	2.15E+00	1.64E+00	1.94E-03	2.30E-03	5.49E-05	2.00E-04
G155	<i>F. tenuicostata</i>	T4	2072	1.15E-03	1.64E-02	2.55E+00	1.91E+00	2.81E-03	4.17E-03	7.66E-05	1.88E-04
G155	<i>F. tenuicostata</i>	T4	2719.5	3.11E-04	1.75E-02	2.66E+00	1.88E+00	2.96E-03	2.92E-03	9.02E-05	2.32E-04
G155	<i>F. tenuicostata</i>	T4	3626	2.98E-04	2.65E-02	2.09E+00	2.43E+00	1.77E-03	3.45E-03	5.66E-05	2.40E-04
G155	<i>F. tenuicostata</i>	T4	4403	1.21E-03	2.15E-02	2.46E+00	2.17E+00	2.55E-03	3.14E-03	9.37E-05	3.22E-04
G155	<i>F. tenuicostata</i>	T5	148	3.61E-05	1.95E-02	2.03E+00	2.38E+00	1.19E-03	2.06E-03	8.32E-05	2.58E-04
G155	<i>F. tenuicostata</i>	T5	296	-1.85E-05	1.35E-02	2.03E+00	1.72E+00	1.19E-03	1.98E-03	1.03E-04	1.64E-04
G155	<i>F. tenuicostata</i>	T5	481	-4.72E-04	1.95E-02	2.31E+00	2.44E+00	1.43E-03	1.91E-03	9.37E-05	2.45E-04
G155	<i>F. tenuicostata</i>	T5	629	-1.81E-05	1.33E-02	2.03E+00	1.62E+00	1.48E-03	1.70E-03	9.79E-05	1.93E-04

G155	<i>F. tenuicostata</i>	T5	777	-4.40E-04	2.53E-02	2.20E+00	2.56E+00	1.46E-03	2.65E-03	9.05E-05	2.84E-04
G155	<i>F. tenuicostata</i>	T5	1036	-3.10E-04	1.56E-02	2.21E+00	2.29E+00	1.82E-03	2.05E-03	8.94E-05	2.53E-04
G155	<i>F. tenuicostata</i>	T5	1554	-2.26E-04	2.20E-02	2.07E+00	2.88E+00	1.75E-03	2.60E-03	8.29E-05	2.91E-04
G155	<i>F. tenuicostata</i>	T5	2072	8.51E-04	2.19E-02	1.96E+00	2.46E+00	1.33E-03	2.26E-03	7.85E-05	2.42E-04
G155	<i>F. tenuicostata</i>	T5	2719.5	-1.13E-04	1.46E-02	1.79E+00	2.01E+00	1.47E-03	2.13E-03	6.36E-05	1.57E-04
G155	<i>F. tenuicostata</i>	T5	3626	9.29E-04	1.77E-02	1.72E+00	1.44E+00	1.96E-03	2.40E-03	8.09E-05	1.83E-04
G155	<i>F. tenuicostata</i>	T5	4403	9.98E-04	1.80E-02	1.61E+00	1.52E+00	1.10E-03	1.95E-03	6.66E-05	1.93E-04
G158	<i>F. tenuicostata</i>	T1	2000	1.29E-04	2.25E-02	3.60E+00	4.04E+00	4.94E-03	6.83E-03	1.18E-04	8.23E-04
G158	<i>F. tenuicostata</i>	T1	2000	1.57E-03	1.95E-02	3.13E+00	3.30E+00	4.28E-03	7.46E-03	5.35E-05	2.13E-04
G158	<i>F. tenuicostata</i>	T1	2000	1.15E-03	1.40E-02	2.79E+00	2.53E+00	3.43E-03	3.82E-03	5.03E-05	1.32E-04
G158	<i>F. tenuicostata</i>	T1	2000	9.37E-04	2.12E-02	2.20E+00	3.16E+00	1.96E-03	2.92E-03	3.17E-05	1.20E-04
G158	<i>F. tenuicostata</i>	T1	2000	1.05E-03	1.66E-02	1.93E+00	1.58E+00	1.67E-03	2.10E-03	4.53E-05	1.32E-04
G158	<i>F. tenuicostata</i>	T1	2000	8.90E-04	4.05E-02	2.05E+00	2.88E+00	2.16E-03	4.11E-03	1.92E-04	1.22E-03
G158	<i>F. tenuicostata</i>	T2	2500	1.26E-03	3.05E-02	3.95E+00	6.37E+00	4.98E-03	7.76E-03	8.94E-05	2.45E-04
G158	<i>F. tenuicostata</i>	T2	2500	8.09E-04	2.48E-02	3.27E+00	2.42E+00	4.26E-03	7.88E-03	7.23E-05	2.90E-04
G158	<i>F. tenuicostata</i>	T2	2500	2.00E-03	3.24E-02	2.99E+00	2.74E+00	3.77E-03	6.16E-03	6.33E-05	1.87E-04
G158	<i>F. tenuicostata</i>	T2	2500	8.60E-04	1.13E-02	2.24E+00	1.66E+00	2.25E-03	2.47E-03	4.56E-05	1.41E-04
G158	<i>F. tenuicostata</i>	T2	2500	1.48E-04	1.68E-02	2.05E+00	1.78E+00	1.71E-03	3.21E-03	6.46E-05	1.78E-04
G158	<i>F. tenuicostata</i>	T2	2500	-1.47E-04	3.59E-02	2.00E+00	2.53E+00	2.36E-03	4.94E-03	1.90E-04	6.84E-04
G158	<i>F. tenuicostata</i>	T3	2875	2.77E-04	2.24E-02	3.44E+00	3.37E+00	4.86E-03	7.06E-03	7.72E-05	1.96E-04
G158	<i>F. tenuicostata</i>	T3	2875	1.65E-04	2.27E-02	3.46E+00	4.47E+00	4.58E-03	6.16E-03	6.76E-05	2.79E-04
G158	<i>F. tenuicostata</i>	T3	2875	-8.37E-04	1.34E-02	3.04E+00	1.56E+00	4.15E-03	4.62E-03	6.42E-05	1.93E-04
G158	<i>F. tenuicostata</i>	T3	2875	-1.47E-04	1.72E-02	2.54E+00	2.29E+00	2.87E-03	4.25E-03	4.82E-05	1.76E-04
G158	<i>F. tenuicostata</i>	T3	2875	5.28E-04	1.16E-02	2.04E+00	1.49E+00	1.53E-03	2.21E-03	4.64E-05	1.34E-04
G158	<i>F. tenuicostata</i>	T3	2875	7.77E-04	2.25E-02	1.84E+00	1.86E+00	1.49E-03	2.56E-03	1.68E-04	6.93E-04
G158	<i>F. tenuicostata</i>	T4	500	2.01E-04	3.53E-02	3.05E+00	2.80E+00	3.85E-03	5.84E-03	1.16E-04	1.29E-03
G158	<i>F. tenuicostata</i>	T4	1000	-2.70E-04	2.24E-02	3.49E+00	3.41E+00	4.62E-03	5.84E-03	1.84E-04	1.21E-03
G158	<i>F. tenuicostata</i>	T4	2000	1.29E-04	2.25E-02	3.60E+00	4.04E+00	4.94E-03	6.83E-03	1.18E-04	8.23E-04
G158	<i>F. tenuicostata</i>	T4	2125	-7.27E-04	2.37E-02	3.71E+00	2.86E+00	5.00E-03	7.30E-03	9.50E-05	2.90E-04
G158	<i>F. tenuicostata</i>	T4	2500	1.26E-03	3.05E-02	3.95E+00	6.37E+00	4.98E-03	7.76E-03	8.94E-05	2.45E-04
G158	<i>F. tenuicostata</i>	T4	2625	5.09E-04	1.09E-02	3.55E+00	2.68E+00	4.99E-03	4.79E-03	9.12E-05	2.21E-04
G158	<i>F. tenuicostata</i>	T4	2875	2.77E-04	2.24E-02	3.44E+00	3.37E+00	4.86E-03	7.06E-03	7.72E-05	1.96E-04

G158	<i>F. tenuicostata</i>	T4	4125	-1.07E-03	2.11E-02	3.51E+00	4.33E+00	5.38E-03	5.76E-03	5.57E-05	2.44E-04
G158	<i>F. tenuicostata</i>	T4	5125	-1.83E-04	1.66E-02	3.56E+00	3.59E+00	5.19E-03	6.63E-03	1.90E-04	6.15E-04
G158	<i>F. tenuicostata</i>	T4	6125	-3.29E-04	1.19E-02	3.65E+00	2.37E+00	6.01E-03	4.78E-03	9.84E-05	1.93E-04
G158	<i>F. tenuicostata</i>	T4	8000	9.96E-04	1.33E-02	3.92E+00	4.12E+00	6.43E-03	5.84E-03	1.29E-04	2.29E-04
G158	<i>F. tenuicostata</i>	T5	2000	8.90E-04	4.05E-02	2.05E+00	2.88E+00	2.16E-03	4.11E-03	1.92E-04	1.22E-03
G158	<i>F. tenuicostata</i>	T5	2500	-1.47E-04	3.59E-02	2.00E+00	2.53E+00	2.36E-03	4.94E-03	1.90E-04	6.84E-04
G158	<i>F. tenuicostata</i>	T5	2875	7.77E-04	2.25E-02	1.84E+00	1.86E+00	1.49E-03	2.56E-03	1.68E-04	6.93E-04
G158	<i>F. tenuicostata</i>	T5	5125	-4.20E-04	2.76E-02	1.98E+00	1.66E+00	1.46E-03	4.25E-03	1.07E-04	4.98E-04
G158	<i>F. tenuicostata</i>	T5	6125	2.14E-03	4.30E-02	2.16E+00	2.81E+00	2.00E-03	5.31E-03	3.40E-04	1.79E-03
G160	<i>F. tenuicostata</i>	T1	277	1.04E-03	1.70E-02	1.29E+00	9.53E-01	4.08E-03	5.59E-03	3.15E-05	9.67E-05
G160	<i>F. tenuicostata</i>	T1	277	7.24E-05	1.46E-02	1.91E+00	1.97E+00	5.82E-03	7.00E-03	4.32E-05	1.26E-04
G160	<i>F. tenuicostata</i>	T1	277	5.52E-04	3.06E-02	1.79E+00	1.85E+00	6.50E-03	1.06E-02	4.24E-05	1.75E-04
G160	<i>F. tenuicostata</i>	T1	277	6.79E-04	2.10E-02	2.00E+00	2.34E+00	8.44E-03	1.09E-02	4.31E-05	1.40E-04
G160	<i>F. tenuicostata</i>	T1	277	-6.14E-04	1.70E-02	1.91E+00	1.26E+00	1.42E-03	1.70E-03	3.00E-05	9.51E-05
G160	<i>F. tenuicostata</i>	T1	277	8.04E-04	1.98E-02	2.03E+00	2.29E+00	1.10E-03	1.81E-03	6.64E-05	1.79E-04
G160	<i>F. tenuicostata</i>	T2	611	7.03E-04	1.47E-02	1.18E+00	1.20E+00	3.78E-03	6.19E-03	2.28E-05	9.57E-05
G160	<i>F. tenuicostata</i>	T2	611	1.44E-03	1.05E-02	1.46E+00	1.49E+00	3.68E-03	4.92E-03	3.15E-05	7.98E-05
G160	<i>F. tenuicostata</i>	T2	611	1.01E-03	1.41E-02	1.94E+00	1.67E+00	6.57E-03	6.25E-03	4.27E-05	1.01E-04
G160	<i>F. tenuicostata</i>	T2	611	3.34E-04	1.96E-02	2.31E+00	2.57E+00	6.30E-03	6.76E-03	5.30E-05	1.70E-04
G160	<i>F. tenuicostata</i>	T2	611	1.23E-03	2.59E-02	1.79E+00	2.08E+00	1.33E-03	2.22E-03	3.64E-05	1.54E-04
G160	<i>F. tenuicostata</i>	T2	611	9.17E-05	2.28E-02	1.83E+00	1.37E+00	1.33E-03	2.19E-03	7.68E-05	2.08E-04
G160	<i>F. tenuicostata</i>	T3	944	-1.48E-04	2.98E-02	1.34E+00	1.80E+00	1.03E-02	2.30E-02	2.23E-05	1.44E-04
G160	<i>F. tenuicostata</i>	T3	944	6.61E-04	2.08E-02	1.71E+00	2.32E+00	5.25E-03	7.20E-03	3.03E-05	1.53E-04
G160	<i>F. tenuicostata</i>	T3	944	-1.65E-04	1.92E-02	1.98E+00	2.29E+00	3.49E-03	5.31E-03	3.22E-05	1.07E-04
G160	<i>F. tenuicostata</i>	T3	944	7.31E-04	2.33E-02	1.99E+00	2.42E+00	3.70E-03	4.67E-03	4.21E-05	1.39E-04
G160	<i>F. tenuicostata</i>	T3	944	9.12E-04	2.12E-02	2.13E+00	2.21E+00	6.25E-03	7.53E-03	5.47E-05	1.62E-04
G160	<i>F. tenuicostata</i>	T3	944	1.31E-03	2.87E-02	1.85E+00	2.43E+00	1.31E-03	2.83E-03	5.65E-05	2.20E-04
G160	<i>F. tenuicostata</i>	T4	277	7.33E-04	1.20E-02	1.57E+00	1.21E+00	7.24E-04	9.17E-04	7.77E-05	1.27E-04
G160	<i>F. tenuicostata</i>	T4	444	6.55E-04	1.35E-02	1.94E+00	2.46E+00	6.71E-04	9.88E-04	4.99E-04	5.51E-04
G160	<i>F. tenuicostata</i>	T4	611	2.41E-04	1.75E-02	1.90E+00	2.56E+00	6.79E-04	1.14E-03	3.91E-04	6.19E-04
G160	<i>F. tenuicostata</i>	T4	777	7.33E-04	1.20E-02	1.57E+00	1.21E+00	7.24E-04	9.17E-04	7.77E-05	1.27E-04
G160	<i>F. tenuicostata</i>	T4	944	1.79E-05	1.71E-02	1.71E+00	1.68E+00	6.17E-04	8.93E-04	1.09E-04	2.37E-04

G160	<i>F. tenuicostata</i>	T4	1277	6.55E-04	1.35E-02	1.94E+00	2.46E+00	6.71E-04	9.88E-04	4.99E-04	5.51E-04
G160	<i>F. tenuicostata</i>	T4	1611	1.33E-04	2.32E-02	1.65E+00	1.83E+00	5.82E-04	9.02E-04	9.32E-05	1.93E-04
G160	<i>F. tenuicostata</i>	T4	1666	7.33E-04	1.20E-02	1.57E+00	1.21E+00	7.24E-04	9.17E-04	7.77E-05	1.27E-04
G160	<i>F. tenuicostata</i>	T4	1944	7.50E-04	1.40E-02	4.84E+00	3.87E+00	2.27E-03	2.47E-03	6.17E-04	5.65E-04
G160	<i>F. tenuicostata</i>	T4	2277	1.37E-03	1.72E-02	4.19E+00	3.99E+00	2.24E-03	2.57E-03	4.79E-04	6.86E-04
G160	<i>F. tenuicostata</i>	T4	2555	2.41E-04	1.75E-02	1.90E+00	2.56E+00	6.79E-04	1.14E-03	3.91E-04	6.19E-04
G160	<i>F. tenuicostata</i>	T4	2888	-6.78E-04	1.46E-02	2.39E+00	2.53E+00	1.14E-03	1.30E-03	1.15E-04	2.68E-04
G160	<i>F. tenuicostata</i>	T4	3333	-6.78E-04	1.46E-02	2.39E+00	2.53E+00	1.14E-03	1.30E-03	1.15E-04	2.68E-04
G160	<i>F. tenuicostata</i>	T5	277	5.47E-05	1.61E-02	1.73E+00	1.69E+00	6.60E-04	1.17E-03	1.73E-04	2.90E-04
G160	<i>F. tenuicostata</i>	T5	444	-1.30E-04	1.82E-02	2.65E+00	3.10E+00	1.32E-03	2.64E-03	2.81E-04	3.63E-04
G160	<i>F. tenuicostata</i>	T5	611	-1.30E-04	1.82E-02	2.65E+00	3.10E+00	1.32E-03	2.64E-03	2.81E-04	3.63E-04
G160	<i>F. tenuicostata</i>	T5	777	5.47E-05	1.61E-02	1.73E+00	1.69E+00	6.60E-04	1.17E-03	1.73E-04	2.90E-04
G160	<i>F. tenuicostata</i>	T5	944	-4.16E-04	1.46E-02	1.72E+00	2.29E+00	6.26E-04	8.76E-04	2.22E-04	5.64E-04
G160	<i>F. tenuicostata</i>	T5	1277	-1.30E-04	1.82E-02	2.65E+00	3.10E+00	1.32E-03	2.64E-03	2.81E-04	3.63E-04
G160	<i>F. tenuicostata</i>	T5	1611	-4.16E-04	1.46E-02	1.72E+00	2.29E+00	6.26E-04	8.76E-04	2.22E-04	5.64E-04
G160	<i>F. tenuicostata</i>	T5	1666	5.47E-05	1.61E-02	1.73E+00	1.69E+00	6.60E-04	1.17E-03	1.73E-04	2.90E-04
G160	<i>F. tenuicostata</i>	T5	1944	5.42E-05	1.52E-02	1.62E+00	1.14E+00	6.62E-04	9.00E-04	9.67E-05	1.77E-04
G160	<i>F. tenuicostata</i>	T5	2277	-4.01E-04	1.33E-02	1.64E+00	1.62E+00	6.84E-04	8.49E-04	8.95E-05	2.11E-04
G160	<i>F. tenuicostata</i>	T5	2555	2.04E-04	1.72E-02	2.78E+00	2.57E+00	1.14E-03	2.16E-03	2.16E-04	4.35E-04
G160	<i>F. tenuicostata</i>	T5	2888	5.28E-04	1.22E-02	4.73E+00	3.05E+00	2.32E-03	2.14E-03	6.40E-04	5.16E-04
G160	<i>F. tenuicostata</i>	T5	3333	5.28E-04	1.22E-02	4.73E+00	3.05E+00	2.32E-03	2.14E-03	6.40E-04	5.16E-04
G171	<i>S. biradiata</i>	T1	166	7.33E-04	1.20E-02	1.57E+00	1.21E+00	7.24E-04	9.17E-04	7.77E-05	1.27E-04
G171	<i>S. biradiata</i>	T1	166	1.33E-04	2.32E-02	1.65E+00	1.83E+00	5.82E-04	9.02E-04	9.32E-05	1.93E-04
G171	<i>S. biradiata</i>	T1	166	6.55E-04	1.35E-02	1.94E+00	2.46E+00	6.71E-04	9.88E-04	4.99E-04	5.51E-04
G171	<i>S. biradiata</i>	T1	166	1.07E-03	2.40E-02	2.53E+00	4.03E+00	1.58E-03	5.38E-03	2.17E-04	4.58E-04
G171	<i>S. biradiata</i>	T1	166	8.03E-04	1.51E-02	2.11E+00	2.35E+00	8.75E-04	9.80E-04	1.17E-04	2.07E-04
G171	<i>S. biradiata</i>	T1	166	4.09E-04	2.59E-02	2.60E+00	4.88E+00	1.19E-03	2.34E-03	2.82E-04	5.09E-04
G171	<i>S. biradiata</i>	T1	166	4.42E-04	2.16E-02	3.87E+00	5.72E+00	1.75E-03	3.65E-03	3.76E-04	7.91E-04
G171	<i>S. biradiata</i>	T1	166	-9.76E-04	2.78E-02	4.82E+00	9.03E+00	2.41E-03	3.65E-03	4.78E-04	7.13E-04
G171	<i>S. biradiata</i>	T2	555	-1.05E-03	1.09E-02	1.60E+00	1.21E+00	6.31E-04	8.34E-04	7.71E-05	1.30E-04
G171	<i>S. biradiata</i>	T2	555	1.79E-05	1.71E-02	1.71E+00	1.68E+00	6.17E-04	8.93E-04	1.09E-04	2.37E-04
G171	<i>S. biradiata</i>	T2	555	2.41E-04	1.75E-02	1.90E+00	2.56E+00	6.79E-04	1.14E-03	3.91E-04	6.19E-04

G171	<i>S.biradiata</i>	T2	555	3.09E-04	1.22E-02	2.36E+00	1.83E+00	1.07E-03	1.65E-03	2.31E-04	2.90E-04
G171	<i>S.biradiata</i>	T2	555	7.95E-04	1.40E-02	2.03E+00	1.49E+00	9.36E-04	1.09E-03	9.67E-05	1.93E-04
G171	<i>S.biradiata</i>	T2	555	4.51E-04	2.12E-02	2.25E+00	3.29E+00	9.48E-04	1.80E-03	2.21E-04	4.57E-04
G171	<i>S.biradiata</i>	T2	555	1.37E-03	1.72E-02	4.19E+00	3.99E+00	2.24E-03	2.57E-03	4.79E-04	6.86E-04
G171	<i>S.biradiata</i>	T2	555	7.50E-04	1.40E-02	4.84E+00	3.87E+00	2.27E-03	2.47E-03	6.17E-04	5.65E-04
G171	<i>S.biradiata</i>	T3	999	-4.01E-04	1.33E-02	1.64E+00	1.62E+00	6.84E-04	8.49E-04	8.95E-05	2.11E-04
G171	<i>S.biradiata</i>	T3	999	5.42E-05	1.52E-02	1.62E+00	1.14E+00	6.62E-04	9.00E-04	9.67E-05	1.77E-04
G171	<i>S.biradiata</i>	T3	999	5.47E-05	1.61E-02	1.73E+00	1.69E+00	6.60E-04	1.17E-03	1.73E-04	2.90E-04
G171	<i>S.biradiata</i>	T3	999	-4.16E-04	1.46E-02	1.72E+00	2.29E+00	6.26E-04	8.76E-04	2.22E-04	5.64E-04
G171	<i>S.biradiata</i>	T3	999	-1.30E-04	1.82E-02	2.65E+00	3.10E+00	1.32E-03	2.64E-03	2.81E-04	3.63E-04
G171	<i>S.biradiata</i>	T3	999	-6.78E-04	1.46E-02	2.39E+00	2.53E+00	1.14E-03	1.30E-03	1.15E-04	2.68E-04
G171	<i>S.biradiata</i>	T3	999	-4.32E-04	2.03E-02	3.11E+00	6.10E+00	1.36E-03	2.53E-03	3.98E-04	6.02E-04
G171	<i>S.biradiata</i>	T3	999	-1.10E-03	2.23E-02	5.05E+00	7.53E+00	2.36E-03	3.26E-03	7.03E-04	1.07E-03
G171	<i>S.biradiata</i>	T4	166	1.33E-04	2.32E-02	1.65E+00	1.83E+00	5.82E-04	9.02E-04	9.32E-05	1.93E-04
G171	<i>S.biradiata</i>	T4	333	4.97E-04	1.35E-02	6.34E+00	4.25E+00	3.46E-03	3.54E-03	1.13E-03	7.46E-04
G171	<i>S.biradiata</i>	T4	555	7.58E-04	2.54E-02	1.48E+00	1.49E+00	4.80E-04	1.15E-03	1.07E-05	7.20E-05
G171	<i>S.biradiata</i>	T4	777	7.20E-04	1.68E-02	4.31E+00	4.22E+00	2.04E-03	2.20E-03	5.70E-04	5.65E-04
G171	<i>S.biradiata</i>	T4	999	4.99E-04	1.18E-02	1.58E+00	2.26E+00	3.46E-04	8.84E-04	6.86E-06	5.08E-05
G171	<i>S.biradiata</i>	T4	1333	1.89E-04	1.72E-02	1.65E+00	1.83E+00	6.09E-04	9.82E-04	8.35E-05	1.93E-04
G171	<i>S.biradiata</i>	T4	1777	1.09E-04	1.22E-02	1.54E+00	1.22E+00	5.79E-04	8.76E-04	1.02E-04	1.93E-04
G171	<i>S.biradiata</i>	T4	2333	5.40E-04	1.35E-02	1.63E+00	1.41E+00	6.05E-04	8.98E-04	1.37E-04	1.93E-04
G171	<i>S.biradiata</i>	T4	2833	1.47E-04	2.02E-02	1.75E+00	2.76E+00	7.34E-04	1.30E-03	1.09E-04	2.80E-04
G171	<i>S.biradiata</i>	T4	3333	3.30E-04	1.82E-02	1.73E+00	1.63E+00	7.78E-04	1.70E-03	9.73E-05	2.76E-04
G171	<i>S.biradiata</i>	T5	166	-9.76E-04	2.78E-02	4.82E+00	9.03E+00	2.41E-03	3.65E-03	4.78E-04	7.13E-04
G171	<i>S.biradiata</i>	T5	333	4.99E-04	1.18E-02	1.58E+00	2.26E+00	3.46E-04	8.84E-04	6.86E-06	5.08E-05
G171	<i>S.biradiata</i>	T5	555	7.50E-04	1.40E-02	4.84E+00	3.87E+00	2.27E-03	2.47E-03	6.17E-04	5.65E-04
G171	<i>S.biradiata</i>	T5	777	5.16E-04	1.86E-02	5.87E+00	7.00E+00	2.71E-03	3.87E-03	1.06E-03	1.16E-03
G171	<i>S.biradiata</i>	T5	999	7.58E-04	2.54E-02	1.48E+00	1.49E+00	4.80E-04	1.15E-03	1.07E-05	7.20E-05
G171	<i>S.biradiata</i>	T5	1333	3.65E-04	1.22E-02	4.86E+00	3.66E+00	2.47E-03	2.92E-03	7.24E-04	6.45E-04
G171	<i>S.biradiata</i>	T5	1777	-2.59E-04	1.65E-02	4.90E+00	5.79E+00	2.52E-03	2.53E-03	6.07E-04	5.16E-04
G171	<i>S.biradiata</i>	T5	2333	7.20E-04	1.68E-02	4.31E+00	4.22E+00	2.04E-03	2.20E-03	5.70E-04	5.65E-04
G171	<i>S.biradiata</i>	T5	2833	5.16E-04	1.86E-02	5.87E+00	7.00E+00	2.71E-03	3.87E-03	1.06E-03	1.16E-03

G171	<i>S.biradiata</i>	T5	3333	4.97E-04	1.35E-02	6.34E+00	4.25E+00	3.46E-03	3.54E-03	1.13E-03	7.46E-04
G172	<i>S. biradiata</i>	T1	166	1.46E-04	2.87E-02	1.89E+00	1.80E+00	5.79E-04	1.64E-03	1.48E-04	3.81E-04
G172	<i>S. biradiata</i>	T1	166	9.30E-04	2.06E-02	2.37E+00	2.24E+00	7.58E-04	1.33E-03	1.21E-04	2.94E-04
G172	<i>S. biradiata</i>	T1	166	-4.42E-04	3.65E-02	1.90E+00	2.76E+00	5.50E-04	1.36E-03	4.85E-05	2.63E-04
G172	<i>S. biradiata</i>	T1	166	-3.71E-05	1.68E-02	2.71E+00	2.06E+00	9.92E-04	1.58E-03	7.36E-05	1.62E-04
G172	<i>S. biradiata</i>	T1	166	9.09E-04	3.13E-02	2.38E+00	3.10E+00	9.50E-04	2.40E-03	1.08E-04	5.18E-04
G172	<i>S. biradiata</i>	T2	555	-7.03E-04	2.08E-02	2.06E+00	2.36E+00	8.02E-04	1.51E-03	9.76E-05	2.55E-04
G172	<i>S. biradiata</i>	T2	555	-6.95E-04	5.05E-02	1.96E+00	3.40E+00	6.02E-04	2.62E-03	5.81E-05	4.51E-04
G172	<i>S. biradiata</i>	T2	555	1.49E-04	3.36E-02	1.85E+00	3.20E+00	5.77E-04	1.87E-03	4.64E-05	2.94E-04
G172	<i>S. biradiata</i>	T2	555	9.24E-05	2.14E-02	2.56E+00	3.29E+00	9.05E-04	2.06E-03	6.44E-05	2.22E-04
G172	<i>S. biradiata</i>	T2	555	1.30E-04	1.78E-02	2.40E+00	2.13E+00	8.56E-04	1.17E-03	1.20E-04	2.36E-04
G172	<i>S. biradiata</i>	T3	1000	-1.22E-03	2.06E-02	1.97E+00	2.76E+00	9.32E-04	1.83E-03	4.01E-05	1.88E-04
G172	<i>S. biradiata</i>	T3	1000	4.63E-04	1.41E-02	1.81E+00	2.29E+00	6.12E-04	9.83E-04	5.59E-05	1.56E-04
G172	<i>S. biradiata</i>	T3	1000	-3.11E-04	2.40E-02	2.38E+00	2.18E+00	8.26E-04	2.13E-03	3.94E-05	2.17E-04
G172	<i>S. biradiata</i>	T3	1000	3.47E-04	1.64E-02	1.78E+00	1.28E+00	7.16E-04	1.41E-03	4.50E-05	1.72E-04
G172	<i>S. biradiata</i>	T3	1000	-2.24E-04	1.78E-02	2.33E+00	2.79E+00	7.99E-04	1.46E-03	1.57E-04	3.54E-04
G172	<i>S. biradiata</i>	T3	1000	-6.13E-04	1.65E-02	2.25E+00	2.40E+00	1.26E-03	1.67E-03	6.68E-05	2.10E-04
G172	<i>S. biradiata</i>	T4	166	9.18E-05	2.43E-02	1.92E+00	1.69E+00	1.00E-03	2.05E-03	1.18E-04	3.73E-04
G172	<i>S. biradiata</i>	T4	333	2.60E-04	4.28E-02	2.15E+00	2.78E+00	9.77E-04	2.79E-03	1.82E-04	6.31E-04
G172	<i>S. biradiata</i>	T4	555	-2.82E-04	2.23E-02	3.39E+00	3.56E+00	1.74E-03	2.07E-03	2.45E-04	4.03E-04
G172	<i>S. biradiata</i>	T4	777	8.38E-04	6.08E-02	3.33E+00	7.50E+00	1.24E-03	3.57E-03	1.38E-04	7.52E-04
G172	<i>S. biradiata</i>	T4	1000	7.42E-05	4.09E-02	3.24E+00	4.03E+00	1.36E-03	2.98E-03	1.18E-04	4.26E-04
G172	<i>S. biradiata</i>	T4	1333	2.16E-03	5.29E-02	4.52E+00	6.75E+00	2.53E-03	8.76E-03	3.21E-04	1.06E-03
G172	<i>S. biradiata</i>	T4	1777	2.57E-04	2.84E-02	5.20E+00	7.75E+00	2.39E-03	5.44E-03	2.85E-04	1.21E-03
G172	<i>S. biradiata</i>	T5	166	7.55E-04	2.22E-02	1.86E+00	1.33E+00	9.23E-04	1.66E-03	1.10E-04	2.42E-04
G172	<i>S. biradiata</i>	T5	333	-3.30E-04	3.06E-02	1.84E+00	2.43E+00	7.58E-04	1.60E-03	9.76E-05	2.96E-04
G172	<i>S. biradiata</i>	T5	555	8.71E-04	2.36E-02	3.78E+00	4.50E+00	1.79E-03	2.65E-03	1.71E-04	3.57E-04
G172	<i>S. biradiata</i>	T5	777	-3.92E-04	2.63E-02	3.72E+00	5.02E+00	1.55E-03	2.68E-03	1.39E-04	4.44E-04
G172	<i>S. biradiata</i>	T5	1000	1.37E-03	2.26E-02	3.71E+00	2.71E+00	1.55E-03	2.26E-03	1.35E-04	3.27E-04
G172	<i>S. biradiata</i>	T5	1333	1.35E-03	3.65E-02	5.09E+00	4.67E+00	2.94E-03	3.83E-03	5.05E-04	1.25E-03
G172	<i>S. biradiata</i>	T5	1777	5.03E-04	4.64E-02	5.54E+00	5.51E+00	2.86E-03	4.97E-03	4.11E-04	1.06E-03