

附表 1 柯坪地区于提希剖面玉尔吐斯组岩石样品主量元素含量 (%)

Appendix table 1 Major element concentrations for samples of Yuertusi Fm from Yutixi section in Keping (%)

样品	深度(cm)	SiO ₂	Al ₂ O ₃	TFe ₂ O ₃	MgO	CaO	Na ₂ O	K ₂ O	MnO	TiO ₂	P ₂ O ₅	LOI	Total
玉尔吐斯组													
YT8-1	1 472	44.34	2.32	2.45	0.61	13.96	0.60	0.92	0.00	0.08	9.73	5.95	80.96
YT8-2	1 426	91.08	0.76	1.80	0.12	0.97	0.09	0.22	0.00	0.04	0.43	2.48	98.00
YT8-3	1 391	81.86	1.57	1.67	0.26	2.54	0.13	0.52	0.03	0.09	1.71	2.64	93.01
YT8-4	1 361	31.79	8.24	3.21	1.39	10.45	0.44	4.29	0.00	0.43	6.61	22.63	89.48
YT8-5	1 328	92.38	0.55	1.39	0.06	0.27	0.08	0.25	0.00	0.03	0.09	2.40	97.50
YT8-6	1 271	45.36	10.80	2.40	1.52	0.64	0.32	6.60	0.00	0.63	0.16	25.99	94.41
YT8-7	1 231	50.73	12.50	4.85	1.42	1.15	0.41	8.26	0.00	0.59	0.45	17.06	97.41
YT8-8	1 182	6.79	1.28	2.50	1.07	48.24	0.07	0.87	0.02	0.06	0.11	38.94	99.96
YT8-9	1 151	57.70	13.93	3.98	2.44	4.51	0.41	8.07	0.02	0.66	0.53	7.73	99.98
YT8-10	1 033	5.45	1.17	1.94	16.94	30.71	0.03	0.76	0.17	0.06	0.07	42.68	99.99
YT8-11	1 012	58.71	15.38	5.39	2.52	1.99	0.59	8.11	0.04	0.71	0.96	5.59	99.98
YT8-12	999	54.61	13.05	3.44	2.10	6.38	0.58	8.68	0.02	0.50	3.83	5.30	98.49
YT8-13	965	43.67	10.39	3.18	3.71	14.78	0.43	6.22	0.05	0.42	2.02	15.13	100.00
YT8-14	920	6.29	1.40	3.07	15.21	30.70	0.11	0.92	0.17	0.06	0.76	41.25	99.94
YT8-15	878	16.18	2.89	5.00	1.66	38.32	0.15	1.79	0.13	0.12	0.55	33.18	99.97
YT8-16	840	54.37	17.33	5.55	2.60	1.20	0.55	8.95	0.01	0.69	0.34	8.40	99.99
YT8-17	783	52.39	17.63	6.23	2.84	3.31	0.63	8.88	0.05	0.69	0.74	6.57	99.96
YT8-18	760	9.25	2.11	2.00	1.23	45.55	0.09	1.25	0.09	0.10	0.40	37.91	99.98
YT8-19	706	12.34	2.68	2.16	1.06	43.39	0.11	1.62	0.08	0.12	0.45	35.90	99.91
YT8-20	671	42.54	14.59	6.12	3.08	10.08	0.94	7.22	0.09	0.60	0.57	14.16	99.98
YT8-21	574	54.12	19.03	5.02	2.44	1.16	0.89	9.41	0.02	0.81	0.25	6.83	99.97
YT8-22	559	11.34	2.40	3.64	0.75	43.77	0.14	1.73	0.14	0.12	0.23	35.72	99.98
YT8-23	502	59.64	16.89	4.47	1.99	0.19	0.78	10.77	0.00	0.72	0.09	4.42	99.96
YT8-24	437	8.06	1.99	3.65	0.71	45.97	0.12	1.34	0.13	0.10	0.27	37.56	99.91
YT8-25	362	12.03	2.86	1.35	0.81	44.44	0.11	1.85	0.17	0.15	0.17	36.02	99.97
YT8-26	302	3.23	0.77	0.87	0.95	51.23	0.07	0.54	0.76	0.04	0.15	41.32	99.93
YT8-27	267	50.50	17.75	3.89	2.53	5.16	0.99	8.80	0.02	0.78	0.23	9.35	100.00
YT8-28	242	3.35	0.69	0.71	0.59	52.36	0.07	0.50	0.17	0.04	0.08	41.42	99.97
肖尔布拉克组													
YT8-29	202	53.54	12.86	7.96	1.14	1.43	2.61	8.73	0.03	0.52	0.74	10.41	99.97
YT8-30	152	3.02	0.70	0.41	0.85	52.07	0.06	0.43	0.37	0.04	0.10	41.92	99.95

附表 2 柯坪地区于提希剖面玉尔吐斯组岩石样品微量元素含量 (10⁻⁶)

Appendix table 2 Trace element concentrations for samples of the Yuertusi Fm from Yutixi section in Keping (10⁻⁶)

样品	Li	Be	Sc	V	Cr	Co	Ni	Cu	Zn	Ga	Rb	Sr	Mo	Zr	Nb	Cs	Ba	Hf	Ta	Tl	Pb	Bi	Th	U
玉尔吐斯组																								
YT8-1	18.20	1.41	2.69	1 338.00	466.00	1.76	50.90	268.00	195.00	6.05	23.60	6 665.00	19.10	24.00	2.41	2.69	34 985.00	1.31	0.34	0.54	71.10	0.20	2.37	46.20
YT8-2	3.71	0.39	0.85	621.00	134.00	3.28	26.20	84.40	73.00	1.40	6.24	1 214.00	23.20	7.29	0.77	0.63	14 478.00	0.25	0.07	0.29	29.80	0.04	0.36	10.50
YT8-3	5.93	0.47	2.40	910.00	297.00	6.56	43.10	96.90	157.00	2.54	13.60	3 120.00	17.10	13.90	1.42	1.30	43 688.00	0.54	0.15	0.76	28.50	0.08	0.81	15.10
YT8-4	56.60	4.50	10.80	5 776.00	643.00	4.37	105.00	259.00	429.00	15.50	89.90	2 508.00	90.90	94.60	9.68	8.15	23 169.00	3.04	0.87	3.32	60.70	0.30	5.34	65.10
YT8-5	2.22	0.23	0.58	243.00	31.50	0.56	11.70	28.30	45.20	0.94	3.43	571.00	11.00	4.42	0.44	0.20	10 371.00	0.15	0.04	0.61	27.30	0.01	0.27	10.00
YT8-6	38.80	4.32	14.40	3 189.00	289.00	4.67	101.00	116.00	350.00	17.00	102.00	1 470.00	35.90	118.00	12.80	8.97	52 416.00	3.50	0.95	1.55	61.80	0.38	5.92	47.70
YT8-7	38.80	4.59	15.30	3 075.00	306.00	3.80	79.40	183.00	377.00	20.20	109.00	1 053.00	69.40	117.00	15.30	7.43	16 617.00	3.28	0.94	1.69	56.00	0.28	8.03	69.40
YT8-8	3.55	0.37	2.38	68.80	30.20	4.81	52.20	6.34	37.40	1.53	8.58	207.00	5.47	13.20	1.62	0.43	898.00	0.42	0.27	0.05	5.79	0.02	1.14	1.74
YT8-9	39.60	3.40	16.50	769.00	154.00	5.56	25.10	39.30	87.00	22.10	117.00	244.00	7.89	192.00	23.60	7.31	1 471.00	5.76	1.46	0.23	19.90	0.18	15.60	7.95
YT8-10	3.27	0.31	1.85	64.50	40.40	3.23	42.90	4.56	13.40	1.97	10.20	207.00	0.84	19.50	2.37	0.46	1 493.00	0.67	0.16	0.03	2.14	0.02	1.53	1.11
YT8-11	61.90	3.73	17.40	141.00	92.50	7.57	27.30	38.70	57.80	25.70	147.00	163.00	7.25	150.00	24.30	9.54	2 425.00	4.74	1.49	0.36	18.00	0.17	14.10	8.28
YT8-12	82.00	5.23	13.80	444.00	143.00	11.60	35.10	33.40	45.50	22.70	116.00	411.00	7.35	105.00	17.60	6.42	3 243.00	3.66	1.05	0.19	13.60	0.23	15.20	16.10
YT8-13	26.30	2.34	12.30	630.00	171.00	5.89	34.00	22.70	52.90	15.90	106.00	456.00	2.40	90.50	12.30	5.44	9 071.00	2.85	0.74	0.46	14.40	0.25	9.83	10.10
YT8-14	11.40	0.67	2.55	36.80	39.70	8.74	48.60	7.42	10.60	3.00	15.20	193.00	2.77	12.10	2.10	0.79	871.00	0.49	0.13	0.40	3.70	0.02	2.42	1.54
YT8-15	3.95	0.58	4.84	80.30	46.90	13.00	81.10	18.60	51.30	4.18	27.40	208.00	17.20	21.70	3.27	1.08	1 270.00	0.75	0.20	0.36	9.01	0.04	2.87	5.76
YT8-16	31.40	4.83	22.30	578.00	132.00	16.70	59.60	40.20	65.00	28.40	208.00	123.00	11.70	124.00	19.70	15.10	543.00	4.04	1.21	1.03	10.60	0.13	14.50	13.00
YT8-17	26.60	3.94	24.00	283.00	111.00	11.30	50.10	34.50	63.70	26.40	191.00	126.00	11.30	114.00	19.30	13.10	367.00	3.82	1.16	0.85	9.55	0.11	14.60	17.80
YT8-18	2.90	0.47	5.71	73.80	39.70	5.79	66.50	6.64	26.70	3.05	21.00	206.00	6.32	17.50	2.83	0.86	132.00	0.61	0.18	0.08	3.11	0.02	2.09	5.90
YT8-19	4.06	0.54	5.77	40.60	43.10	5.50	63.70	16.90	43.10	3.69	27.10	209.00	4.73	20.50	3.45	1.32	375.00	0.73	0.22	0.13	2.57	0.02	2.61	10.20
YT8-20	23.20	3.16	20.60	249.00	105.00	20.70	70.80	36.50	59.70	22.20	164.00	162.00	14.70	108.00	18.50	12.80	1 102.00	3.56	1.15	0.78	9.15	0.15	14.60	15.80
YT8-21	27.60	3.75	23.90	107.00	102.00	7.49	19.20	44.80	60.40	28.00	202.00	100.00	11.50	146.00	25.30	13.60	458.00	4.61	1.45	0.50	7.17	0.15	19.90	13.40
YT8-22	3.01	0.37	6.81	25.70	33.30	7.04	65.80	8.64	22.10	2.79	25.50	272.00	17.70	38.10	3.37	0.79	1 445.00	1.18	0.20	0.26	7.50	0.03	3.91	8.13
YT8-23	78.50	3.51	20.00	121.00	89.40	3.06	8.70	26.60	44.20	22.80	127.00	77.70	18.10	106.00	20.90	8.11	316.00	3.15	1.11	1.31	8.01	0.05	16.60	17.40
YT8-24	3.73	0.45	3.58	37.50	36.00	18.80	70.70	7.44	26.00	2.88	19.50	200.00	77.20	26.80	3.57	0.60	139.00	0.79	0.17	0.24	12.20	0.09	3.09	4.31
YT8-25	6.29	0.62	4.52	38.20	41.70	4.34	58.80	5.05	19.80	3.78	29.50	189.00	5.03	31.70	4.38	1.29	136.00	0.97	0.25	0.17	3.46	0.02	3.59	3.06
YT8-26	2.74	0.23	2.07	21.40	39.00	7.58	67.70	3.13	11.00	1.99	8.43	228.00	5.00	8.59	1.38	0.38	50.70	0.29	0.08	0.12	2.12	0.02	1.15	4.48
YT8-27	34.90	3.65	20.20	103.00	87.50	13.90	22.80	24.50	54.30	24.90	175.00	115.00	6.35	135.00	22.50	12.30	1 029.00	4.27	1.33	0.27	10.00	0.10	18.00	8.97
YT8-28	1.89	0.18	2.54	24.60	31.80	3.76	66.30	2.84	4.52	1.15	6.18	318.00	4.85	7.30	1.20	0.28	99.30	0.25	0.08	0.19	1.27	0.00	0.93	1.85
肖尔布拉克组																								
YT8-29	46.70	4.89	15.10	619.00	85.00	17.50	138.00	81.10	105.00	19.00	108.00	807.00	196.00	115.00	16.50	5.19	410.00	3.52	0.99	4.23	86.10	0.88	13.10	62.90
YT8-30	2.94	0.31	1.87	131.00	37.20	4.31	81.20	8.26	24.00	1.53	8.19	262.00	10.20	8.63	1.28	0.41	68.00	0.24	0.08	0.37	4.23	0.03	0.94	15.20

附表3 柯坪地区于提希剖面玉尔吐斯组岩石样品稀土元素含量 (10⁻⁶)Appendix table 3 Rare earth element concentrations for samples of the Yuertusi Fm from Yutixi section in Keping (10⁻⁶)

样品	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Y	Ho	Er	Tm	Yb	Lu	LREE	HREE	REE	L/H	Y/Ho
玉尔吐斯组																				
YT8-1	48.50	44.80	11.40	51.20	11.00	26.90	9.20	2.28	16.90	145.00	3.82	11.50	1.81	8.67	1.27	193.80	200.45	394.25	0.97	37.96
YT8-2	3.84	2.65	0.59	3.08	0.55	10.40	0.52	0.12	0.83	7.58	0.19	0.64	0.11	0.58	0.08	21.12	10.66	31.77	1.98	39.27
YT8-3	11.70	9.23	2.16	11.30	2.28	31.40	2.03	0.46	3.26	26.50	0.73	2.23	0.34	1.63	0.23	68.07	37.40	105.47	1.82	36.25
YT8-4	57.00	55.60	13.20	59.50	12.40	19.10	10.70	2.69	19.80	195.00	4.59	14.00	2.21	10.50	1.47	216.80	260.96	477.76	0.83	42.48
YT8-5	3.01	2.48	0.59	3.12	0.59	7.86	0.56	0.12	0.84	8.14	0.20	0.63	0.10	0.49	0.07	17.66	11.15	28.81	1.58	40.90
YT8-6	74.50	67.80	13.20	51.20	8.19	37.10	9.33	1.74	11.70	116.00	2.87	9.60	1.56	7.29	1.04	251.99	161.13	413.12	1.56	40.42
YT8-7	73.10	71.80	14.00	54.30	9.59	13.20	9.05	1.89	11.70	108.00	2.63	8.35	1.26	6.12	0.89	235.99	149.89	385.88	1.57	41.06
YT8-8	12.90	14.10	2.95	11.70	1.96	0.94	1.68	0.35	1.86	17.00	0.37	1.21	0.16	0.79	0.11	44.55	23.53	68.07	1.89	45.58
YT8-9	108.00	101.00	19.70	67.90	10.80	2.64	11.40	1.95	9.48	71.50	1.95	6.81	0.90	4.54	0.62	310.04	109.15	419.19	2.84	36.67
YT8-10	26.20	23.20	5.06	19.60	3.13	1.62	3.24	0.62	3.09	26.50	0.62	2.10	0.26	1.28	0.17	78.81	37.87	116.68	2.08	43.02
YT8-11	66.60	78.80	12.30	44.00	7.78	2.96	7.72	1.36	6.57	42.30	1.28	4.62	0.58	3.16	0.44	212.44	68.03	280.47	3.12	33.05
YT8-12	87.50	118.00	20.50	81.30	14.30	4.62	12.70	2.51	12.40	108.00	2.44	8.07	0.93	4.75	0.61	326.22	152.41	478.63	2.14	44.26
YT8-13	46.30	68.40	9.62	38.30	6.76	7.64	6.11	1.15	5.78	48.20	1.15	3.94	0.51	2.62	0.38	177.02	69.83	246.85	2.53	41.91
YT8-14	30.70	34.20	5.81	22.50	3.61	1.23	3.59	0.68	3.24	31.30	0.66	2.16	0.23	1.18	0.15	98.05	43.19	141.24	2.27	47.79
YT8-15	26.80	39.50	5.53	20.40	3.21	1.45	3.41	0.59	2.47	18.60	0.50	1.85	0.22	1.15	0.16	96.89	28.95	125.84	3.35	37.05
YT8-16	57.30	75.60	10.70	35.70	5.44	1.20	6.43	0.98	4.09	25.50	0.85	3.32	0.43	2.36	0.34	185.94	44.30	230.24	4.20	30.18
YT8-17	58.50	86.90	12.90	46.40	7.88	1.49	7.58	1.33	5.80	36.10	1.09	4.05	0.46	2.52	0.35	214.07	59.27	273.34	3.61	33.12
YT8-18	25.60	38.80	4.85	17.30	2.76	0.57	2.81	0.50	2.54	20.40	0.52	1.80	0.25	1.27	0.18	89.88	30.26	120.15	2.97	39.31
YT8-19	23.00	38.10	5.29	20.30	3.50	0.87	3.10	0.59	2.90	20.70	0.57	1.91	0.23	1.27	0.17	91.06	31.45	122.51	2.90	36.19
YT8-20	61.30	89.70	13.30	46.70	7.53	1.88	7.10	1.28	5.46	34.50	1.05	3.81	0.45	2.41	0.34	220.41	56.40	276.81	3.91	32.86
YT8-21	72.30	109.00	15.00	47.80	6.69	1.21	7.93	1.22	4.34	24.10	0.85	3.52	0.40	2.22	0.31	252.00	44.89	296.89	5.61	28.45
YT8-22	19.50	47.00	5.88	23.30	4.37	1.73	3.55	0.70	3.52	21.50	0.69	2.21	0.28	1.49	0.21	101.78	34.15	135.93	2.98	31.39
YT8-23	37.50	48.10	7.63	23.10	2.68	0.52	3.69	0.51	1.82	10.80	0.40	1.79	0.25	1.32	0.19	119.53	20.78	140.31	5.75	26.73
YT8-24	18.30	27.10	3.57	13.00	2.11	0.43	1.88	0.37	1.75	15.50	0.34	1.19	0.15	0.76	0.11	64.51	22.05	86.56	2.93	45.06
YT8-25	20.00	28.60	3.97	13.70	2.21	0.44	2.00	0.39	1.87	14.40	0.36	1.31	0.17	0.87	0.13	68.92	21.50	90.41	3.21	40.11
YT8-26	9.84	13.70	1.71	5.63	0.85	0.16	0.87	0.16	0.76	5.77	0.15	0.55	0.07	0.35	0.05	31.89	8.72	40.61	3.66	37.47
YT8-27	46.00	61.40	7.29	22.10	3.04	1.17	4.02	0.60	2.62	16.30	0.55	2.12	0.29	1.58	0.22	141.00	28.30	169.30	4.98	29.74
YT8-28	13.00	18.20	2.55	8.40	1.27	0.27	1.41	0.24	1.14	7.61	0.23	0.82	0.10	0.53	0.07	43.69	12.15	55.83	3.60	33.52
肖尔布拉克组																				
YT8-29	52.60	83.90	11.50	41.80	7.05	1.36	6.44	1.27	6.00	43.50	1.20	4.23	0.55	2.83	0.39	198.21	66.42	264.63	2.98	36.25
YT8-30	5.69	7.18	0.93	3.32	0.54	0.13	0.52	0.10	0.55	6.01	0.12	0.41	0.06	0.28	0.04	17.79	8.08	25.87	2.20	49.67

附表 4 柯坪地区于提希剖面玉尔吐斯组岩石样品部分替代性地球化学指标
Appendix table 4 Selected geochemical proxies for samples of the Yuertusi Fm from Yutixi section in Keping

样品	Eu/Eu*	Ce/Ce*	Y/Y*	Pr/Pr*	La/Yb	La/Ce	Dy/Sm	V/Al	U/Al	Mo/Al	Ba/Al	Th/U	V/Sc	V/Cr	TOC	ex-Ba	EF(Mo)	EF(U)	Mo/TOC
玉尔吐斯组																			
YT8-1	10.81	0.44	1.44	1.40	0.41	2.26	1.82	1 089.37	37.61	15.55	28 483.96	0.05	497.40	2.87	1.06	34 900.98	83.35	108.01	18.02
YT8-2	82.66	0.41	1.51	1.22	0.49	3.02	1.77	1 539.37	26.03	57.51	35 888.89	0.03	734.04	4.63	0.57	14 450.40	308.25	74.74	40.77
YT8-3	61.83	0.42	1.37	1.24	0.53	2.64	1.70	1 094.83	18.17	20.57	52 561.64	0.05	379.17	3.06	0.37	43 631.14	110.27	52.17	46.72
YT8-4	6.68	0.47	1.63	1.35	0.40	2.14	1.89	1 324.06	14.92	20.84	5 311.12	0.08	534.81	8.98	9.24	22 870.58	111.69	42.85	9.84
YT8-5	59.21	0.43	1.59	1.25	0.46	2.53	1.69	831.52	34.22	37.64	35 488.53	0.03	417.53	7.71	0.43	10 351.01	201.76	98.26	25.46
YT8-6	19.82	0.50	1.60	1.32	0.75	2.29	1.69	557.75	8.34	6.28	9 167.41	0.12	221.46	11.03	17.20	52 024.87	33.65	23.96	2.09
YT8-7	6.22	0.52	1.55	1.32	0.88	2.12	1.45	464.67	10.49	10.49	2 511.01	0.12	200.98	10.05	9.58	16 164.30	56.21	30.11	7.24
YT8-8	2.25	0.53	1.63	1.35	1.21	1.91	1.13	101.53	2.57	8.07	1 325.17	0.66	28.91	2.28	0.16	851.64	43.27	7.37	35.06
YT8-9	1.14	0.51	1.33	1.40	1.76	2.23	1.04	104.28	1.08	1.07	199.47	1.96	46.61	4.99	0.60	966.51	5.73	3.10	13.08
YT8-10	2.33	0.46	1.53	1.40	1.51	2.35	1.17	104.13	1.79	1.35	2 410.35	1.38	34.86	1.60	0.44	1 450.63	7.24	5.15	1.92
YT8-11	1.80	0.64	1.16	1.23	1.56	1.76	1.00	17.32	1.02	0.89	297.83	1.70	8.10	1.52	0.19	1 868.00	4.77	2.92	38.98
YT8-12	1.53	0.64	1.57	1.23	1.36	1.55	1.03	64.27	2.33	1.06	469.40	0.94	32.17	3.10	0.42	2 770.38	5.70	6.69	17.33
YT8-13	5.41	0.75	1.49	1.11	1.30	1.41	1.01	114.53	1.84	0.44	1 649.10	0.97	51.22	3.68	0.36	8 694.72	2.34	5.27	6.65
YT8-14	1.57	0.59	1.71	1.23	1.92	1.87	1.06	49.65	2.08	3.74	1 175.16	1.57	14.43	0.93	0.28	820.30	20.03	5.97	9.82
YT8-15	2.10	0.75	1.33	1.15	1.72	1.41	0.91	52.48	3.76	11.24	830.07	0.50	16.59	1.71	0.20	1 165.34	60.26	10.81	86.00
YT8-16	1.03	0.70	1.09	1.21	1.79	1.58	0.89	63.00	1.42	1.28	59.18	1.12	25.92	4.38	0.95	-84.62	6.84	4.07	12.29
YT8-17	0.91	0.73	1.15	1.20	1.71	1.40	0.87	30.32	1.91	1.21	39.32	0.82	11.79	2.55	0.93	-271.49	6.49	5.48	12.22
YT8-18	0.97	0.80	1.42	1.10	1.49	1.37	1.09	66.07	5.28	5.66	118.17	0.35	12.92	1.86	0.19	55.58	30.33	15.17	33.62
YT8-19	1.20	0.80	1.28	1.12	1.34	1.26	0.98	28.62	7.19	3.33	264.30	0.26	7.04	0.94	0.23	277.94	17.87	20.64	20.48
YT8-20	1.20	0.72	1.15	1.21	1.88	1.42	0.86	32.24	2.05	1.90	142.67	0.92	12.09	2.37	0.67	573.61	10.20	5.87	21.81
YT8-21	0.84	0.76	1.00	1.22	2.40	1.38	0.77	10.62	1.33	1.14	45.46	1.49	4.48	1.05	0.77	-231.19	6.12	3.82	14.94
YT8-22	1.93	1.01	1.10	1.05	0.97	0.86	0.96	20.23	6.40	13.93	1137.27	0.48	3.77	0.77	0.14	1 358.08	74.67	18.37	130.15
YT8-23	0.88	0.66	1.00	1.35	2.10	1.62	0.81	13.53	1.95	2.02	35.34	0.95	6.05	1.35	0.68	-295.69	10.85	5.59	26.81
YT8-24	0.96	0.77	1.59	1.12	1.77	1.41	0.98	35.59	4.09	73.28	131.94	0.72	10.47	1.04	0.07	66.93	392.77	11.75	1 187.69
YT8-25	0.93	0.74	1.40	1.18	1.70	1.46	1.00	25.23	2.02	3.32	89.82	1.17	8.45	0.92	0.12	32.42	17.81	5.80	42.27
YT8-26	0.89	0.77	1.35	1.15	2.09	1.50	1.05	52.43	10.98	12.25	124.21	0.26	10.34	0.55	0.13	22.78	65.66	31.52	39.37
YT8-27	1.74	0.77	1.09	1.16	2.15	1.56	1.02	10.96	0.95	0.68	109.50	2.01	5.10	1.18	0.53	386.17	3.62	2.74	12.07
YT8-28	0.96	0.73	1.19	1.21	1.83	1.49	1.06	67.05	5.04	13.22	270.66	0.50	9.69	0.77	1.34	74.20	70.86	14.48	3.62
肖尔布拉克组																			
YT8-29	0.90	0.79	1.29	1.14	1.37	1.31	1.01	90.92	9.24	28.79	60.22	0.21	40.99	7.28	2.04	-55.74	154.31	26.53	96.08
YT8-30	1.12	0.72	1.86	1.12	1.50	1.65	1.22	355.52	41.25	27.68	184.55	0.06	70.05	3.52	0.55	42.79	148.38	118.45	18.61