Table S1. Trace element data of shale samples from Wufeng Formation-Longmaxi Formation in this study.

No.	Well	Depth	Lithology	Formation	Graptolite zone	Sample no.	V	Cr	Co	Ni	Cu	Zn	Ga	Rb	Sr	Nb	Cs	Ba	Ta	Pb	Th	U	Zr	Hf	Sc	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Th/Sc	Zr/Sc	La/Th	Co/Th	La/Sc	La/Yb	La/Sm	Th/Yb	Ta/La	ΣREE	LREE	HREE	LREE/HREE	LaN/YbN	Eu/Eu*
1	Y105	1650.5	Shale	Longmaxi	LM6	Y105-1	155.0	90.9	18.4	70.6	44.3	106.0	23.5	213.0	129.0	16.1	14.1	846.0	1.3	25.4	19.4	6.1	96.1	2.7	15.5	24.0	46.9	88.4	10.3	37.6	6.23	1.12	5.00	0.77	4.27	0.84	2.35	0.34	2.15	0.32	1.25	6.20	2.42	0.95	3.03	21.81	7.53	0.36	0.03	206.59	190.55	16.04	11.88	15.65	0.59
2	Y105	1655.1	Shale	Longmaxi	LM6	Y105-41	132.0	69.1	14.4	52.6	42.5	120.0	18.0	177.0	138.0	13.6	11.9	741.0	1.1	20.9	17.4	6.4	88.5	2.5	11.8	23.3	41.3	72.6	8.66	31.6	5.5	1.02	4.64	0.71	4.00	0.80	2.25	0.33	2.13	0.31	1.47	7.50	2.37	0.83	3.50	19.39	7.51	0.33	0.03	175.84	160.60	15.16	10.60	13.91	0.60
3	Y105	1658.4	Shale	Longmaxi	LM6	Y105-18	166.0	71.7	16.4	67.0	42.4	83.2	18.5	178.0	175.0	14.6	11.8	763.0	1.1	27.2	16.3	8.7	106.0	2.7	12.3	25.4	41.80	76.20	9.00	33.60	5.03	1.13	5.17	0.77	4.31	0.87	2.48	0.35	2.28	0.33	1.33	8.62	2.56	1.01	3.40	18.33	7.05	0.34	0.03	184.23	167.66	16.57	10.12	13.15	0.61
4	YH3-8	3742.4	Shale	Longmaxi	LM6	YH-1	128.3	76.2	16.0	53.3	54.2	104.9	19.9	95.7	107.0	14.0	9.9	2564.0	3.3	24.6	18.0	8.6	93.5	6.7	12.2	21.3	35.40	73.44	8.21	29.48	5.53	1.33	4.85	0.83	4.03	0.91	2.44	0.44	2.30	0.43	1.48	7.65	1.96	0.89	2.90	15.42	6.41	0.36	0.09	169.61	153.38	16.23	9.45	11.06	0.77
5	YH3-8	3744.4	Shale	Longmaxi	LM6	YH-10	163.5	73.8	15.3	79.8	59.1	206.5	19.3	49.0	96.7	12.9	8.0	2490.0	1.2	17.7	14.1	9.8	90.3	2.9	10.6	21.6	30.67	68.36	7.52	27.81	5.36	1.26	4.89	0.75	4.07	0.86	2.43	0.40	2.27	0.37	1.33	8.53	2.18	1.09	2.90	13.53	5.73	0.33	0.04	157.00	140.97	16.03	8.80	9.70	0.74
6	YH3-8	3746.9	Shale	Longmaxi	LM6	YH-30	120.1	68.0	15.1	51.1	53.4	107.9	17.9	35.4	89.2	11.7	7.0	2221.0	1.0	21.7	12.1	6.7	78.5	2.5	9.5	19.8	25.84	60.56	6.47	23.92	4.79	1.07	4.37	0.67	3.74	0.77	2.21	0.33	2.11	0.32	1.28	8.27	2.13	1.24	2.72	12.25	5.39	0.32	0.04	137.17	122.66	14.51	8.45	8.78	0.70
7	YH3-8	3747.3	Shale	Longmaxi	LM6	YH-33	144.0	76.0	15.2	72.9	51.8	127.6	19.9	61.2	100.9	13.1	8.8	2603.0	1.0	20.5	14.0	7.1	84.8	2.6	11.1	20.4	34.06	72.92	7.93	28.83	5.25	1.16	4.65	0.69	3.84	0.79	2.30	0.35	2.12	0.33	1.27	7.67	2.43	1.08	3.08	16.07	6.49	0.32	0.03	165.22	150.15	15.07	9.96	11.53	0.70
8	XD2	2052.5	Shale	Longmaxi	LM5	XD-H54	180.0	57.9	14.2	97.3	70.6	33.9	18.0	166.0	116.0	17.7	11.3	3898.0	0.9	24.3	14.5	19.8	116.0	2.8	11.1	30.8	53.80	105.0	13.30	47.3	9.20	1.68	8.20	1.13	6.24	1.16	3.54	0.47	3.11	0.46	1.31	10.45	3.73	0.98	4.85	17.30	5.85	0.36	0.02	254.59	230.28	24.31	9.47	12.41	0.59
9	XD2	2055.3	Shale	Longmaxi	LM5	XD-H50	160.0	41.9	9.6	77.8	48.1	23.3	12.0	115.0	238.0	9.4	6.8	3238.0	0.7	14.5	12.1	14.9	74.3	2.7	8.8	25.6	36.90	62.4	7.84	28.4	5.71	1.06	5.25	0.78	4.59	0.89	2.74	0.37	2.40	0.34	1.38	8.49	2.55	0.79	3.51	12.88	5.41	0.33	0.02	153.67	136.31	17.36	7.85	9.24	0.58
10	Y105	1664.1	Shale	Longmaxi	LM5	Y105-31	157.0	59.7	10.4	43.7	17.3	26.6	17.5	170.0	167.0	11.9	11.9	762.0	1.1	20.0	14.4	8.6	91.8	2.9	11.3	23.8	37.50	70.10	8.23	30.80	5.58	1.03	4.74	0.71	4.13	0.83	2.30	0.33	2.15	0.31	1.27	8.12	2.60	0.72	3.32	17.44	6.72	0.33	0.03	168.74	153.24	15.50	9.89	12.51	0.60
11	Y105	1668.1	Shale	Longmaxi	LM5	Y105-40	207.0	68.9	12.8	83.5	45.6	259.0	15.2	139.0	127.0	12.0	9.2	631.0	1.0	20.8	13.6	9.3	72.9	2.9	10.2	25.2	36.30	74.0	7.99	30.20	5.60	1.07	4.89	0.73	4.16	0.82	2.31	0.33	2.08	0.31	1.33	7.15	2.67	0.94	3.56	17.45	6.48	0.35	0.03	163.28	147.66	15.62	9.45	12.52	0.61
12	Y105	1673.1	Shale	Longmaxi	LM5	Y105-52	174.0	61.5	12.6	68.3	36.2	31.0	14.4	125.0	162.0	12.8	8.6	607.0	0.8	19.8	11.9	9.4	85.4	2.0	9.4	25.8	39.00	71.70	8.41	31.30	5.70	1.05	5.06	0.74	4.21	0.85	2.45	0.36	2.39	0.36	1.26	9.06	3.28	1.06	4.14	16.32	6.84	0.31	0.02	173.58	157.16	16.42	9.57	11.70	0.59
13	YH3-8	3749.4	Shale	Longmaxi	LM5	YH-44	132.4	73.6	15.0	56.7	53.1	72.5	20.9	97.2	124.5	16.7	10.8	2734.0	1.2	25.1	15.7	6.8	119.9	3.6	12.2	22.5	38.71	81.57	8.91	32.23	5.74	1.27	4.98	0.73	4.22	0.87	2.57	0.38	2.43	0.37	1.29	9.86	2.47	0.96	3.18	15.90	6.75	0.30	0.03	184.98	168.43	16.55	10.18	11.41	0.71
14	YH3-8	3753.4	Shale	Longmaxi	LM5	YH-67	132.7	68.2	14.5	62.5	50.6	99.7	18.2	103.8	116.5	12.3	10.4	2459.0	0.9	22.7	14.3	6.1	104.2	3.1	11.1	24.6	34.61	69.50	7.72	27.77	5.20	1.14	4.77	0.73	4.32	0.92	2.65	0.39	2.45	0.37	1.29	9.43	2.42	1.02	3.13	14.12	6.05	0.30	0.03	162.55	145.94	16.61	8.79	10.12	0.68
15	YH3-8	3757.1	Shale	Longmaxi	LM5	YH-85	136.5	68.8	13.7	70.2	42.4	91.0	18.1	91.2	136.3	13.2	10.2	2151.0	1.0	20.0	14.9	9.1	174.8	5.0	10.1	25.9	35.42	75.99	8.41	31.22	6.07	1.27	5.61	0.82	4.55	0.94	2.72	0.39	2.50	0.38	1.47	17.29	2.38	0.92	3.50	14.17	5.84	0.33	0.03	176.28	158.38	17.91	8.84	10.16	0.65
16	YH3-8	3761.7	Shale	Longmaxi	LM5	YH-117	26.5	23.0	4.0	13.8	12.0	22.5	5.0	35.2	338.2	3.9	2.7	880.9	0.3	6.6	4.5	1.8	43.6	1.3	3.5	20.5	18.24	35.78	4.39	17.81	4.31	1.18	4.36	0.60	3.33	0.63	1.71	0.23	1.36	0.19	1.28	12.48	4.07	0.89	5.22	13.44	4.23	0.45	0.02	94.12	81.71	12.41	6.58	9.64	0.82
17	YH3-8	3766.0	Shale	Longmaxi	LM5	YH-142	133.5	62.1	12.4	52.2	40.9	76.2	16.7	101.8	147.4	12.7	9.1	2089.0	0.9	17.6	14.2	7.8	178.5	5.1	9.4	26.7	35.07	72.02	8.16	30.02	5.84	1.25	5.32	0.79	4.58	0.94	2.73	0.40	2.55	0.38	1.54	18.97	2.42	0.86	3.73	11.73	6.01	0.31	0.03	170.06	152.36	17.69	8.61	9.85	0.67
18	Z204	2753.4	Shale	Longmaxi	Z4-Z5	Z204-7	170.7	97.3	17.0	63.4	52.9	119.5	25.3	188.8	135.5	14.0	12.5	1107.3	1.0	46.7	17.6	6.5	107.8	3.6	17.4	20.2	47.61	79.62	9.88	34.80	5.72	1.00	4.49	0.74	3.79	0.84	2.50	0.47	2.93	0.47	1.01	6.18	2.71	0.97	2.73	16.22	8.32	0.25	0.02	194.85	178.63	16.22	11.02	11.64	0.58
19	XD2	2058.6	Shale	Longmaxi	LM4	XD-B44	136.0	18.6	9.0	70.4	31.9	176.0	17.5	173.0	106.0	6.5	12.7	3470.0	1.8	47.3	34.3	13.1	172.0	10.1	7.8	15.4	6.90	13.2	1.84	7.2	1.66	0.50	1.63	0.32	2.35	0.55	2.02	0.31	2.14	0.30	0.40	22.05	0.20	0.26	0.88	3.22	4.16	0.15	0.26	40.92	31.30	9.62	3.25	2.31	0.92
20	XD2	2061.1	Shale	Longmaxi	LM4	XD-B41	150.0	26.7	6.0	63.2	27.8	104.0	7.6	73.6	280.0	5.6	4.3	1533.0	0.5	9.3	7.4	11.0	56.1	1.9	5.3	15.0	18.20	33.8	4.68	18.5	3.46	0.66	1.34	0.47	2.65	0.51	1.53	0.21	1.38	0.19	1.38	10.53	2.48	0.81	3.41	13.19	5.26	0.34	0.03	89.58	79.30	10.28	7.71	9.46	0.59
21	XD2	2062.6	Shale	Longmaxi	LM4	XD-H38	166.0	29.7	6.3	59.9	28.6	66.4	8.5	80.4	229.0	6.9	4.8	1640.0	0.5	10.5	8.4	11.7	67.4	2.4	5.5	14.1	18.10	33.4	4.52	17.3	3.17	0.60	2.99	0.43	2.51	0.49	1.48	0.23	1.30	0.20	1.52	12.19	2.15	0.75	3.27	13.52	5.71	0.33	0.03	86.70	77.09	9.61	8.02	9.99	0.59
22	Y105	1674.6	Shale	Longmaxi	LM4	Y105-58	183.0	62.7	12.9	65.8	43.2	81.1	17.3	159.0	155.0	12.5	11.0	726.0	1.0	20.1	15.4	8.0	93.2	2.7	10.5	25.0	37.40	69.80	8.24	30.10	5.62	1.01	4.68	0.72	4.12	0.85	2.41	0.35	2.21	0.32	1.47	8.88	2.43	0.84	3.56	16.92	6.65	0.33	0.03	167.83	152.17	15.66	9.72	12.14	0.59
23	Y105	1676.3	Shale	Longmaxi	LM4	Y105-64	165.0	68.8	15.0	86.4	44.7	79.6	16.2	153.0	172.0	12.3	10.1	669.0	1.0	25.4	14.1	9.9	76.6	2.2	10.4	22.8	36.20	66.80	7.78	28.90	5.28	1.01	4.45	0.68	3.78	0.76	2.12	0.30	1.94	0.28	1.36	7.37	2.57	1.06	3.48	18.66	6.86	0.35	0.03	160.29	145.97	14.32	10.19	13.38	0.62
24	Y105	1677.7	Shale	Longmaxi	LM4	Y105-69	151.0	61.5	11.7	81.6	44.8	70.5	15.6	143.0	178.0	12.2	10.2	657.0	0.9	27.2	13.6	11.2	779.9	2.2	10.4	22.8	36.50	65.50	7.96	29.50	5.49	1.08	4.81	0.72	3.97	0.79	2.19	0.31	1.97	7.64	2.68	1.18	3.58	16.50	6.65	0.37	0.03	161.06	146.00	15.06	9.70	13.29	0.63
25	Y105	1679.5	Shale	Longmaxi	LM4	Y105-75	196.0	62.6	15.3	88.2	53.3	160.0	15.4	139.0	181.0	12.8	9.7	632.0	1.0	19.5	13.5	11.6	85.2	2.3	9.9	25.4	35.40	66.50	7.96	30.20	5.65	1.10	4.88	0.74	4.16	0.83	2.39	0.34	2.08	0.31	1.37	8.61	2.62	1.13	3.58	17.02	6.27	0.36	0.03	162.45	146.81	15.64	9.39	12.21	0.63
26	Y105	1681.8	Shale	Longmaxi	LM4	Y105-82	167.0	70.9	14.6	96.6	51.1	94.3	16.0	145.0	154.0	12.4	10.4	671.0	1.0	24.1	14.0	11.6	85.4	2.6	10.1	23.7	33.90	61.20	7.34	27.50	4.96	0.98	4.36	0.67	3.82	0.79	2.19	0.32	2.01	0.30	1.39	8.46	2.42	1.04	3.36	16.87	6.83	0.33	0.03	150.34	135.88	14.46	9.40	12.10	0.63
27	YH3-8	3769.8	Shale	Longmaxi	LM4	YH-169	134.6	51.3	12.5	65.7	53.0	71.4	13.3	109.4	100.0	9.1	8.3	2107.0	0.6	19.3	10.4	5.1	74.2	2.0	8.7	22.9	30.13	58.72	6.62	25.70	5.23	1.13	4.06	0.67	4.00	0.79	2.26	0.31	2.00	0.29	1.16	8.52	2.97	1.23	3.46	15.10	5.76	0.36	0.03	143.05	127.81	15.24	8.39	10.83	0.67
28	YH3-8	3773.7	Shale	Longmaxi	LM4	YH-190	168.7	46.8	12.7	92.4	65.8	141.6	11.8	101.7	118.1	8.8	7.4	1902.0	0.6	19.4	9.5	15.7	81.8	2.2	8.0	31.1	34.52	64.70	7.54	28.47	5.64	1.32	5.77	0.83	4.78	0.98	2.82	0.39	2.47	0.37	1.18	10.23	3.65	1.34	4.32	13.96	6.12	0.34	0.02	160.60	142.19	18.41	7.72	10.02	0.70
29	YH3-8	3775.8	Shale	Longmaxi	LM4	YH-202	187.2	35.6	9.6	107.9	47.8	103.7	9.1	76.7	103.7	7.9	5.5	1833.0	0.5	17.6	8.0	12.7	72.9	1.8	5.7	21.1	25.53	47.13	5.46	19.62	3.74	0.82	3.69	0.55	3.32	0.70	2.09	0.31	2.03	0.30	1.41	12.79	3.18	1.20	4.48	12.57	6.82	0.27	0.02	115.29	102.30	12.99	7.88	9.02	0.67
30	Z204	2806.8	Shale	Longmaxi	Z4-5	Z204-5	76.5	67.6	13.3	189.2	68.1	64.3	14.7	97.2	152.7	11.1	7.0	698.2	0.7	37.3	13.2	7.1	63.4	1.8	6.4	26.2	30.70	69.0	8.24	32.0	6.72	1.24	5.85	0.93	5.25	0.93	2.72	0.49	3.06	0.46	1.57	7.56	2.41	1.01	3.78	10.72	5.42	0.29	0.02	181.21	162.93	18.29	6.72	7.74	0.59
31	XD2	2065.4	Shale	Longmaxi	LM2-3	XD-B35	167.0	26.8	5.7	63.1	24.0	71.2	7.6	72.9	319.0	5.5	4.0	1381.0	0.4	8.8	7.2	10.3	53.8	1.9	5.2	14.5	17.40	31.7	4.37	17	3.19	0.65	3.16	0.43	2.50	0.48	1.47	0.20	1.29	0.19	1.37	10.31	2.43	0.80	3.33	13.49	5.45	0.33	0.03	84.03	74.31	9.72	7.65	9.68	0.62
32	XD2	2067.8	Shale	Longmaxi	LM2-3	XD-B32	190.0	19.2	3.5	74.3	45.1	101.0	4.7	39.3	129.0	3.6	2.3	1283.0	0.3	5.8	4.3	12.5	35.1	1.2	3.6	13.2	12.20	22.7	3.25	12.4	2.4	0.50	2.42	0.36	2.18	0.43	1.31	0.18	1.15	0.17	1.21	9.78	1.62	0.81	3.40	10.61	5.08	0.31	0.02	61.65	53.45	8.20	6.52	7.61	0.63
33	Y105	1685.0	Shale	Longmaxi	LM2-3	Y105-92	235.0	64.2	14.0	90.8	53.6	139.0	15.4	127.0	124.0	11.8	9.7	692.0	0.9	26.3	12.4	50.1	99.4	2.2	10.1	26.6	36.80	65.50	7.98	30.40	5.62	1.01	5.15	0.73	4.43	0.92	2.64	0.39	2.27	0.33	1.33	7.84	2.75	1.04	3.64	16.45	6.48	0.35	0.02	163.89	147.41	16.48	8.95	11.63	0.62
34	Y105	1687.0	Shale	Longmaxi	LM2-3	Y105-98	235.0	58.8	12.9	117.0	49.0	149.0	17.0	144.0	157.0	21.1	11.0	653.0	2.1	22.4	13.7	20.7	112.0	3.2	9.6	27.7	45.00	84.50	10.20	38.20	6.80	1.27	5.79	0.83	4.56	0.92	2.59	0.37	2.37	0.35	1.43	11.67	3.28	0.94	4.69	18.99	6.62	0.35	0.05	203.75	185.97	17.78	10.46	13.62	0.60
35	YH3-8	3778.1	Shale	Longmaxi	LM2-3	YH-206	137.0	25.0	6.1	64.5	31.1	48.8	6.4	49.9	184.5	5.2	3.2	1239.0	0.3	8.8	5.4	10.5	55.5	1.4	4.4	22.5	21.72	39.62	4.89	18.91	3.91	0.91	3.95	0.56	3.21	0.66	1.91	0.27	1.74	0.26	1.23	12.65	4.01	1.12	4.95	12.47	5.55	0.32	0.01	102.53	89.96	12.57	7.16	8.94	0.70
36	SH outcrop	/	Shale	Longmaxi	LM2-3	SH11-9-1	163.1	30.8	7.3	77.6	25.3	103.8	7.3	75.1	171.3	6.1	3.9	634.6	0.5	11.0	6.5	9.4	66.9	1.6	2.9	17.8	23.43	42.21	4.40	16.30	3.01	0.60	2.84	0.46	2.52	0.51	1.42	0.18	1.32	0.17	1.22	22.74	3.60	1.12	7.97	17.75	7.53	0.35	0.02	99.47	90.05	9.42	9.56	12.73	0.61
37	SH outcrop	/	Shale	Longmaxi	LM2-3	SH11-12	174.2	31.6	6.5	70.2	23.9	60.0	7.5	75.8	153.8	7.5	4.3	684.4	0.6	10.1	7.1	9.0	71.7	1.8	3.4	17.5	25.11	42.25	4.91	18.05	3.44	0.68	2.74	0.46	2.64	0.51	1.42	0.18	1.32	0.17	1.21	22.74	3.60	1.12	7.97	17.75	7.53	0.35	0.02	99.47	90.05	9.42	9.56	12.73	0.61
38	SH outcrop	/	Shale	Longmaxi	LM2-3	SH10-8-1	152.5	28.6	5.6	61.3	25.4	50.2	6.5	67.5	254.5	5.1	3.6	658.3	0.4	10.5	6.6	11.7	60.3	1.5	3.1	23.7	24.50	47.78	4.72	18.67	3.55	0.74	3.49	0.53	3.13	0.68	1.81	0.24	1.54	0.23	2.13	19.64	3.74	0.86	7.98	15.91	6.90	0.34	0.02	111.61	99.96	11.65	8.58	11.41	0.63
39	SH outcrop	/	Shale	Longmaxi	LM2-3	SHP-23-2	171.3	30.0	4.9	71.5	20.9	83.5	6.3	64.3	245.8	5.2	3.3	610.5	0.4	9.9	6.3	10.3	64.4	1.5	2.9	22.1	22.05	42.50	4.30	17.25	3.26	0.68	2.89	0.49	2.77	0.56	1.53	0.21	1.40	0.20	2.17	22.27	3.52	0.78	7.63	15.76	6.77	0.35	0.02	100.10	90.05	10.05	8.96	11.30	0.66
40	SH outcrop	/	Shale	Longmaxi	LM2-3	SHP-15-1	175.6	25.8	4.8	72.3	18.2	63.8	5.9	55.4	159.9	4.4	3.0	621.0	0.3	7.9	5.4	9.8	52.2	1.2	2.1	16.9	18.15	34.48	3.34	13.33	2.54	0.55	2.45	0.39	2.31	0.44	1.24	0.17	1.16	0.15	2.58	24.97	3.37	0.88	8.68	14.65	7.15	0.30	0.02	80.66	72.39	8.27	8.75	11.22	0.66
41	XD2	2068.5	Shale	Longmaxi	LM1	XD-B31	320.0	26.6	4.7	109.0	36.5	815.0	6.3	48.9	73.0	4.2	3.0	1441.0	0.4	8.0	5.3	16.2	34.9	1.2	4.0	11.6	14.10	24.9	3.57	14.2	2.62	0.53	2.56	0.36	2.10	0.41	1.22	0.17	1.08	0.16	1.33	8.75	2.67	0.88	3.53	13.06	5.38	0.33	0.02	67.98	59.92	8.06	7.43	9.36	0.62
42	XD2	2069.0	Shale	Longmaxi	LM1	XD-B30	484.0	40.4	6.2	139.0	64.2	305.0	8.8	75.0	94.0	5.9	4.1	1623.0	0.5	13.8	7.9	35.3	56.3	2.0	5.8	23.0	23.80	42.2	6.21	24.5	4.57	0.88	4.59	0.65	3.95	0.76	2.34	0.31	2.09	0.30	1.37	9.76	3.00	0.78	4.12	11.39	5.21	0.31	0.02	117.15	102.16	14.99	6.82	8.17	0.58
43	XD2	2069.3	Shale	Longmaxi	LM1	XD-B29	403.0	47.4	3.7	140.0	117.0	242.0	5.3	38.8	391.0	4.0	2.0	1036.0	0.3	8.7	4.6	64.5	61.9	1.9	4.7	27.3	17.10	28.6	4.28	16.8	3.47	0.79	3.88	0.63	4.24	0.87	2.83	0.42	2.71	0.41	0.99	13.17	3.69	0.79	3.64	6.31	4.93	0.24	0.02	87.05	71.04	16.01	4.44	4.53	0.66
44	Y105	1688.9	Shale	Longmaxi	LM1	Y105-104	274.0	52.4	11.5	138.0	53.8	108.0	13.1	111.0	206.0	10.5	7.8	527.0	0.8	26.7	12.2	27.8	85.7	2.3	8.2	26.8	33.60	59.30	7.61	28.40	5.48	1.08	4.89	0.73	4.13	0.84	2.29	0.33	2.11	0.30	1.50	10.50	2.75	0.94	4.12	15.92	6.13	0.34	0.02	150.89	135.27	15.62	8.66	11.42	0.62
45	Y105	1689.3	Shale	Longmaxi	LM1	Y105-106	278.0	51.9	11.6	166.0	55.0	105.0	11.8	97.4	159.0	9.4	6.8	491.0	0.7	28.9	11.6	32.0	82.8	2.2	7.4	27.8	34.00	62.4	7.61	28.3	5.27	1.03	4.85	0.72	4.12	0.84	2.27	0.32	2.08	0.31	1.57	11.22	2.77	1.00	4.35	15.43	6.09	0.35	0.02	146.12	130.60	15.52	8.42	11.07	0.61
46	Y105	1690.8	Shale	Longmaxi	LM1	Y105-108	591.0	70.9	11.9	194.0	56.5	456.0	13.3	110.0	106.0	10.3	7.7	529.0	0.8	26.3	12.4	50.1	99.4	2.6	9.6	27.8	34.00	62.00	7.79	29.70	5.52	1.06	4.95	0.73	4.50	0.91	2.54	0.37	2.36	0.34	1.44	11.50	2.74	0.96	3.94	14.41	6.16	0.32	0.02	156.74	140.03	16.73	8.37	10.33	0.61
47	YH3-8	3782.2	Shale	Longmaxi	LM1	YH-242	168.4	36.9	6.7	100.5	43.5	53.4	7.5	54.7	145.6	5.3	3.8	1251.0	0.4	11.1	6.1	14.0	53.2