TABLE A1. PALEOMAGNETIC RESULTS FROM THE LINZIZONG FORMATION USED IN THIS STUDY

Site	Site latitude (°N)	Site longitude (°E)	n	Inclination (in situ)	Declination (in situ)	Inclination (tilt corrected)	Declination (tilt corrected)	k	α_{95}	Author	Code
LD01	29.9734	91.1422	4	54.5	12.7	40.7	15.8	15.1	24.4	a	2, 3
LD04	29.9721	91.1398	7	47.4	349.6	35.6	356.4	11.8	18.3	a	2, 4
LD05	29.9719	91.1384	5	37.3	9.6	23.8	11.8	48.5	11.1	a	2, 4
LD06	29.9714	91.1372	5	41.4	26.9	27.4	26.8	13.4	21.7	a	2, 4
LD07	29.9700	91.1331	10	36.2	9.1	22.7	11.2	16.6	12.2	a	2, 4
LD09	29.9687	91.1325	11	38.5	16.6	24.6	17.9	19.8	10.5	a	2, 4
LD10	29.9683	91.1317	5	6.0	30.5	–8.0	30.6	75.3	8.9	a	1
LD11	29.9731	91.1417	8	40.4	14.6	26.6	16.3	144.8	4.6	a	
LD14	29.9719	91.1399	9	59.8	86.8	51.2	70.5	3.7	31.1	a	2, 4
LD15	29.9717	91.1397	7	52.4	2.8	39.4	7.9	78.0	6.9	a	2
LD16	29.9714	91.1348	6	47.7	12.4	34.0	15.0	15.4	17.6	a	2, 4
AC24	31.0	91.0	6	–20.2	151.7	–30.9	160.5	25.0	13.6	b	2, 4
AC25	31.0	91.0	4	5.0	6.8	34.0	13.7	109.0	8.8	b	1, 3
AC26	31.0	91.0	7	–67.4	207.1	–28.3	182.0	106.0	5.9	b	
AC28	31.0	91.0	7	–23.0	186.4	–18.6	180.0	91.0	6.3	b	
AC39	31.0	91.0	5	44.6	341.4	15.7	346.4	14.0	21.5	b	1, 4
AC40	31.0	91.0	6	60.8	357.2	35.9	354.4	252.0	4.2	b	
AC41	31.0	91.0	6	–45.2	167.8	–20.9	168.4	153.0	5.4	b	
AC47	31.0	91.0	5	15.4	145.1	–14.5	145.1	65.0	9.6	b	1
Pana01	30.0	91.1	10	82.0	38.5	50.3	13.5	294.0	2.8	c	
Pana02	30.0	91.1	10	79.4	18.9	46.9	10.2	152.0	3.9	c	
Pana03	30.0	91.1	8	84.9	318.4	53.7	0.5	964.0	1.8	c	
Pana04	30.0	91.1	8	82.1	334.7	50.4	0.4	1054.0	1.7	c	
Pana05	30.0	91.1	11	75.2	5.5	42.5	6.5	250.0	2.9	c	
Pana06	30.0	91.1	10	71.7	314.3	44.1	347.0	444.0	2.3	c	
Pana08	30.0	91.1	6	76.7	267.7	57.0	342.0	1399.0	1.8	c	
Pana09	30.0	91.1	7	70.7	334.0	40.1	353.0	201.0	4.3	c	
Pana10	30.0	91.1	6	78.6	1.9	45.9	5.6	58.0	8.9	c	
GS2	30.0093	91.1498	6	87.1	286.1	56.7	1.8	126.0	6.0	d	
GS11	30.0093	91.1498	7	83.0	200.1	58.0	356.4	135.0	5.2	d	
GS22	30.0094	91.1498	8	79.6	192.6	55.5	356.4	278.0	3.3	d	
GS4-9	30.0095	91.1499	16	84.2	277.9	67.6	4.3	148.0	3.0	d	
GL1	30.0029	91.1482	8	79.6	40.8	48.3	15.7	515.0	2.4	d	
GL2	30.0047	91.1480	7	80.0	28.4	47.8	12.4	19.0	14.0	d	1, 4
GL3-4	30.0053	91.1483	14	69.7	17.9	37.2	11.7	86.0	4.3	d	
GL5	30.0061	91.1481	8	77.5	11.1	44.8	8.3	184.0	4.1	d	
GL6	30.0067	91.1482	6	81.7	52.0	51.0	16.3	761.0	2.4	d	
GL7	30.0030	91.1404	8	62.3	6.8	29.6	6.9	157.0	4.4	d	
GL8	30.0024	91.1405	6	63.0	17.4	30.6	12.5	85.0	7.3	d	
GL9	30.0019	91.1406	6	72.8	315.5	44.8	348.0	166.0	5.2	d	
GL10	30.0018	91.1406	5	75.7	33.4	44.1	15.8	78.0	8.7	d	
GL11	30.0011	91.1403	6	66.3	23.9	34.2	15.1	4.0	38.6	d	1, 4
GL12	30.0007	91.1403	5	65.8	328.9	36.4	348.7	6.0	36.0	d	1, 4
GL13	30.0001	91.1407	5	65.4	358.7	32.9	2.9	169.0	5.9	d	
GL14	29.9994	91.1406	8	68.3	12.4	35.7	9.5	797.0	2.0	d	
GL15	29.9982	91.1406	8	65.2	36.3	34.5	21.4	295.0	3.2	d	
GL16	29.9974	91.1394	7	57.9	36.6	27.6	24.2	113.0	5.7	d	
GL17	29.9937	91.1451	6	63.9	43.9	34.4	25.7	41.0	10.6	d	1, 4
GL18	29.9937	91.1449	3	77.7	103.6	56.7	29.6	4.0	75.5	d	1, 3, 4
GL19	29.9947	91.1396	6	58.9	6.3	26.2	6.6	198.0	4.8	d	
GL20-24	29.9941	91.1398	29	61.7	11.8	29.1	9.6	76.0	3.1	d	
GL25	29.9931	91.1404	5	56.6	19.2	24.3	14.3	76.0	8.8	d	
GL26	29.9880	91.1412	5	–58.8	216.7	–28.5	204.0	227.0	5.1	d	
GL27	29.9885	91.1411	5	–51.3	219.7	–21.9	208.3	91.0	8.1	d	
GL28	29.9887	91.1408	8	–58.1	221.8	–28.7	207.1	78.0	6.3	d	
GL29	29.9888	91.1406	6	–59.4	206.2	–27.7	197.9	277.0	4.0	d	
GL30	29.9889	91.1404	5	77.8	13.8	45.2	9.0	208.0	5.3	d	
GL31	29.9897	91.1399	5	62.2	74.9	40.5	41.6	29.0	14.4	d	1, 4
GL32	29.9876	91.1412	2	50.2	9.5	17.5	8.7	328.0	13.8	d	1, 3, 4
XM01	30.0917	90.9328	9	37.0	359.3	24.0	3.8	51.2	7.3	e	
XM02	30.0874	90.9300	5	17.5	13.1	3.3	13.9	164.4	6.0	e	
XM03	30.0875	90.9300	7	38.0	21.7	21.0	25.0	8.5	22.0	e	4
XM05	30.0802	90.9246	10	52.9	354.9	42.8	11.7	9.1	16.9	e	4
XM06	30.0800	90.9233	7	48.8	356.2	38.8	10.7	16.3	15.4	e	2,4
XM07	30.0793	90.9227	4	48.0	25.9	18.7	19.7	19.8	21.2	e	3, 4
XM09	30.0752	90.9171	8	–46.7	140.4	–23.6	155.7	17.7	13.5	e	4
XM10	30.0741	90.9164	5	67.2	326.3	40.4	350.0	37.8	12.6	e	4

XM11	30.0738	90.9162	6	47.0	356.1	26.3	358.5	15.2	17.7	e	2, 4
XM12	30.0718	90.9129	8	28.4	332.0	9.8	336.2	10.9	17.6	e	2, 4
XM13	30.0718	90.9296	6	41.9	325.3	32.4	340.7	17.0	16.7	e	2, 4
XM14	30.0713	90.9120	11	54.9	344.3	26.4	355.4	14.9	12.2	e	4
XM15	30.0709	90.9114	5	43.4	330.6	17.1	345.2	85.0	8.3	e	
XM16	30.0705	90.9113	8	56.9	338.7	28.7	0.3	25.7	11.1	e	4

Note: n—number of samples in site mean direction; α_{95}—the radius of the 95% cone of confidence around the mean direction; k—Fisher's (1953) precision parameter on the mean direction. Authors: a—Liebke et al. (2010); b—Achache et al. (1984); c—Tan et al. (2010); d—Dupont-Nivet et al. (2010); e—Sun et al. (2010). Codes: 1—not used by original authors; 2—mixed polarity; 3—n < 5; 4—k < 50.

TABLE A2. PALEOMAGNETIC RESULTS FROM LOWER CRETACEOUS UNITS FROM THE LHASA TERRANE USED IN THIS STUDY

Site	Site latitude (°N)	Site longitude (°E)	n	Inclination (in situ)	Declination (in situ)	Inclination (tilt corrected)	Declination (tilt corrected)	k	α_{95}	Author	Code
XD1	30.5	90.1	5	85.3	96.4	22.3	19.0	215.8	5.2	a	
XD2	30.5	90.1	9	84.3	355.2	26.6	11.1	17.4	12.7	a	4
XD3	30.5	90.1	8	69.2	351.7	8.5	6.2	19.6	12.8	a	4
XD4	30.5	90.1	8	73.6	106.9	29.7	39.0	78.1	6.3	a	
XD5	30.5	90.1	5	67.6	292.7	28.4	354.4	12.4	22.6	a	4
XD6	30.5	90.1	5	80.8	26.5	22.9	21.1	116.1	7.1	a	
XD7	30.5	90.1	4	73.7	115.9	32.2	39.3	97.5	9.4	a	3
XD8	30.5	90.1	9	85.8	285.9	32.2	15.0	38.8	8.4	a	3
XD9	30.5	90.1	7	61.9	54.6	3.1	31.2	44.4	9.2	a	4
XD10	30.5	90.1	5	75.3	312.3	17.2	359.6	70.5	9.2	a	
XD12	30.5	90.1	6	77.8	171.3	40.4	16.4	66.7	8.3	a	
XD13	30.5	90.1	6	76.9	74.4	22.6	23.7	41.8	10.5	a	4
XD14	30.5	90.1	3	78.0	336.5	18.9	3.9	14.7	33.3	a	3, 4
XD15	30.5	90.1	4	73.4	95.9	26.2	29.5	196.8	6.6	a	3
XD16	30.5	90.1	4	71.4	279.5	57.0	34.5	9.7	31.0	a	3, 4
C15	31.37	85.1	9	–2.3	319.2	27.3	328.3	29.8	9.6	b	4
C16	31.37	85.1	6	–4.2	321.5	32.0	333.1	36.9	11.2	b	4
C17	31.37	85.1	7	–6.3	323.7	29.0	333.2	46.9	8.9	b	4
C18	31.37	85.1	10	0.3	337.0	25.9	347.7	21.0	10.8	b	4
C19	31.37	85.1	7	–8.0	315.6	39.9	323.9	24.2	12.5	b	4
C20	31.37	85.1	11	–0.2	133.7	–35.5	145.3	26.0	9.1	b	4
DX1	31.37	85.1	9	–13.6	312.0	37.1	317.2	148.1	4.2	b	
DX2	31.37	85.1	11	–18.7	318.5	29.8	321.4	70.7	5.5	b	
DX3	31.37	85.1	7	–13.4	307.9	38.7	312.6	44.6	9.1	b	4
DX4	31.37	85.1	11	–4.3	306.3	47.2	316.6	119.5	4.2	b	
DX5	31.37	85.1	8	–1.4	326.7	36.3	341.0	89.9	5.9	b	
DX6	31.37	85.1	10	–4.3	323.7	36.1	335.8	38.0	7.9	b	4
DX7	31.37	85.1	10	–7.2	315.5	39.7	323.8	307.1	2.8	b	
DX8	31.37	85.1	10	2.2	150.1	–35.9	162.7	40.5	7.7	b	4
DX9	31.37	85.1	10	–8.0	316.0	37.6	324.7	145.5	4.0	b	
DX10	31.37	85.1	12	–12.5	314.8	30.4	320.2	115.4	4.1	b	
DX11	31.31	84.8	9	32.6	305.4	30.2	307.3	51.0	7.3	b	
DX12	31.31	84.8	9	2.2	94.4	2.5	94.3	67.9	8.2	b	1
DX13	31.31	84.8	6	41.8	325.5	44.7	329.3	145.1	6.4	b	

Note: n—number of samples in site mean direction; α_{95}—the radius of the 95% cone of confidence around the mean direction; k—Fisher's (1953) precision parameter on the mean direction. Authors: a—Sun *et al*. (2008); b—Chen *et al*. (2011). Codes: 1—not used by original authors; 2—mixed polarity; 3—n < 5; 4—k < 50.