Table S1.- Bulk moduli (B_0 in GPa) cell parameter moduli (B_a, B_b, and $B_{0.5csi\beta}$) and their derivatives [B' and B'' (GPa^{-1})] at 0 and 6 Gpa of the Ms-Pg series. Temperature correction for bulk moduli comes from Comodi et al. (2002), considering, in an initial approach, linearity from 0K.

		x = 0.0	x = 0.25	x = 0.5	x = 0.75	x = 1.0
B_a	0 GPa	490.6	444.9	369.8	324.6	284.4
	6 GPa	526.0	452.7	386.0	356.4	319.84
	exp	337.8[a], 400[b]		342.5[c]		285.7[d]
B'_{a0}	0 GPa	5.9	1.3	2.7	5.3	5.9
B''_{a0}	0 GPa	-0.06	-0.05	-0.03	-0.06	-0.10
B_b	0 GPa	413.7[e]	365.8	322.1	276.5	246.3
	6 GPa	437.7	385.0	349.1	304.7	284.1
	exp	295.0[a], 342[b]		287.3[c]		277.8[d]
B'_{b0}	0 GPa	4	3.2		4.5	4.7
B''_{b0}	0 GPa	-0.03	-0.03		-0.04	-0.05
$B_{0.5csin\beta}$	0 GPa	79.9	84.5	95.9	115.8	128.4
	6 GPa	111.7	122.9	137.9	151.2	166.8
	exp	88.2[a],86.9[b,f]		98.9[c,f]		120.4[d,f]
$B'_{0.5csin\beta0}$	0 GPa	5.3	6.4		7.0	5.9
$B''_{0.5csin\beta0}$	0 GPa	-0.26	-0.43		-0.49	-0.24
B_0	0 GPa	60.0	60.3	62.7	65.1	65.2
	0 GPa, 298K	55.6	56.2	58.9	61.6	62.0
B	6 GPa	93.8	94.4	97.1	97.5	98.2
	6 GPa, 298K	103.12	105.3	106.1	101.1	103.6
B_0	exp	56.0[a,d]		60.0[c,d]		65.0[d]
B'_0	0 GPa	7.92	8.18		7.86	6.58
B''_0	0 GPa	-0.38	-0.42		-0.36	-0.20

[a] From $K_{0.9}Na_{0.05}Ba_{0.01}\square_{0.02}(Al_{1.84}Ti_{0.04}Fe_{0.07}Mg_{0.04})(Si_{3.02}Al_{0.98})O_{10}(OH)_2$ Comodi and Zanazzi (1995)
[b] From $K_{0.98}Na_{0.02}(Al_{1.55}Mg_{0.24}Fe_{0.21}Ti_{0.02})(Si_{3.38}Al_{0.62})O_{10}(OH)_2$ Curetti et al. (2006).
[c] From $K_{0.6}Na_{0.37}\square_{0.03}(Al_{1.84}Ti_{0.02}Fe_{0.10}Mg_{0.06})(Si_{3.03}Al_{0.97})O_{10}(OH)_2$ Comodi and Zanazzi (1995)
[d] From $K_{0.10}Na_{0.88}Ca_{0.01}Ba_{0.01}(Al_{1.97}Ti_{0.007}Fe_{0.01}Mn_{0.002}Mg_{0.006})(Si_{3.01}Al_{0.99})O_{10}(OH)_2$ Comodi and Zanazzi (1997)
[e] Birch-Murnagham second-order equation
[f] c axe.