

**Dominant Heterogeneity of Upper and Lower Motor Neuron Degeneration to
Motor Manifestation of Involved Region in Amyotrophic Lateral Sclerosis**

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Table e-1 P-values for pairwise comparisons between bulbar, cervical, lumbosacral onset group and control group

	P _{1vs 2}	P _{1vs3}	P _{1vs4}	P _{2vs3}	P _{2vs4}	P _{3vs4}
L-head-face	0.02	0.0005	0.0001	0.22	0.09	1.00
L-tongue-larynx	1.00	1.00	0.94	1.00	1.00	1.00
L-upper limb	1.00	0.11	0.08	0.10	0.01	1.00
L-trunk	0.76	1.00	1.00	1.00	1.00	1.00
L-lower limb	1.00	0.52	0.59	1.00	1.00	1.00
R-head-face	1.00	0.42	0.03	1.00	0.05	1.00
R-tongue-larynx	1.00	1.00	1.00	1.00	1.00	1.00
R-upper limb	1.00	0.96	0.16	1.00	0.01	1.00
R-trunk	1.00	1.00	1.00	1.00	0.81	1.00
R-lower limb	1.00	1.00	1.00	0.87	1.00	1.00

1: bulbar onsetgroup, 2:cervical onset group, 3:lumbosacral onset group, 4:controlgroup