

**Table 16.4** Correlation coefficients between KCl extractable inorganic soil N in the LFH soil horizons and the Shannon-Wiener diversity indices and morphotype richness of ectomycorrhizal communities in 4 spruce and 4 beech forests.

	Extractable nitrogen [ $\mu\text{g N g}^{-1}$ LOI]		
	N-NH <sub>4</sub> + N-NO <sub>3</sub>	N-NH <sub>4</sub>	N-NO <sub>3</sub>
SWD (spruce)	- 0.998 ** <sup>a</sup>	- 0.982 *	- 0.964 *
Richness (spruce)	- 0.971 *	- 0.937 ns	- 0.986 *
SWD (beech)	0.957 *	0.032 ns	0.794 ns
Richness (beech)	0.952 *	0.032 ns	0.834 ns

<sup>a</sup>ns - no significant correlation; \* - weak correlation ( $0.01 < P < 0.05$ );

\*\* - strong correlation ( $0.001 < P < 0.01$ );