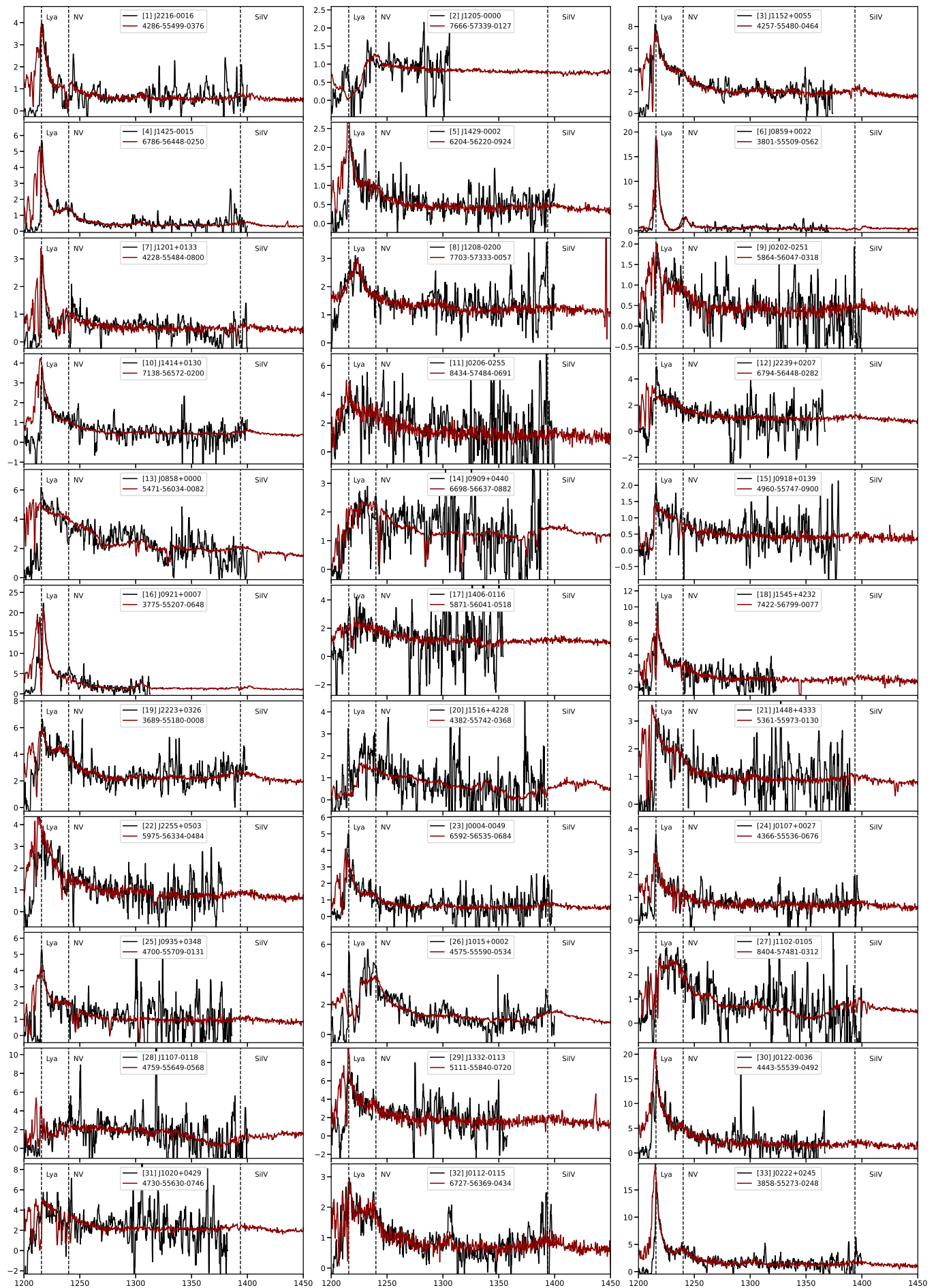
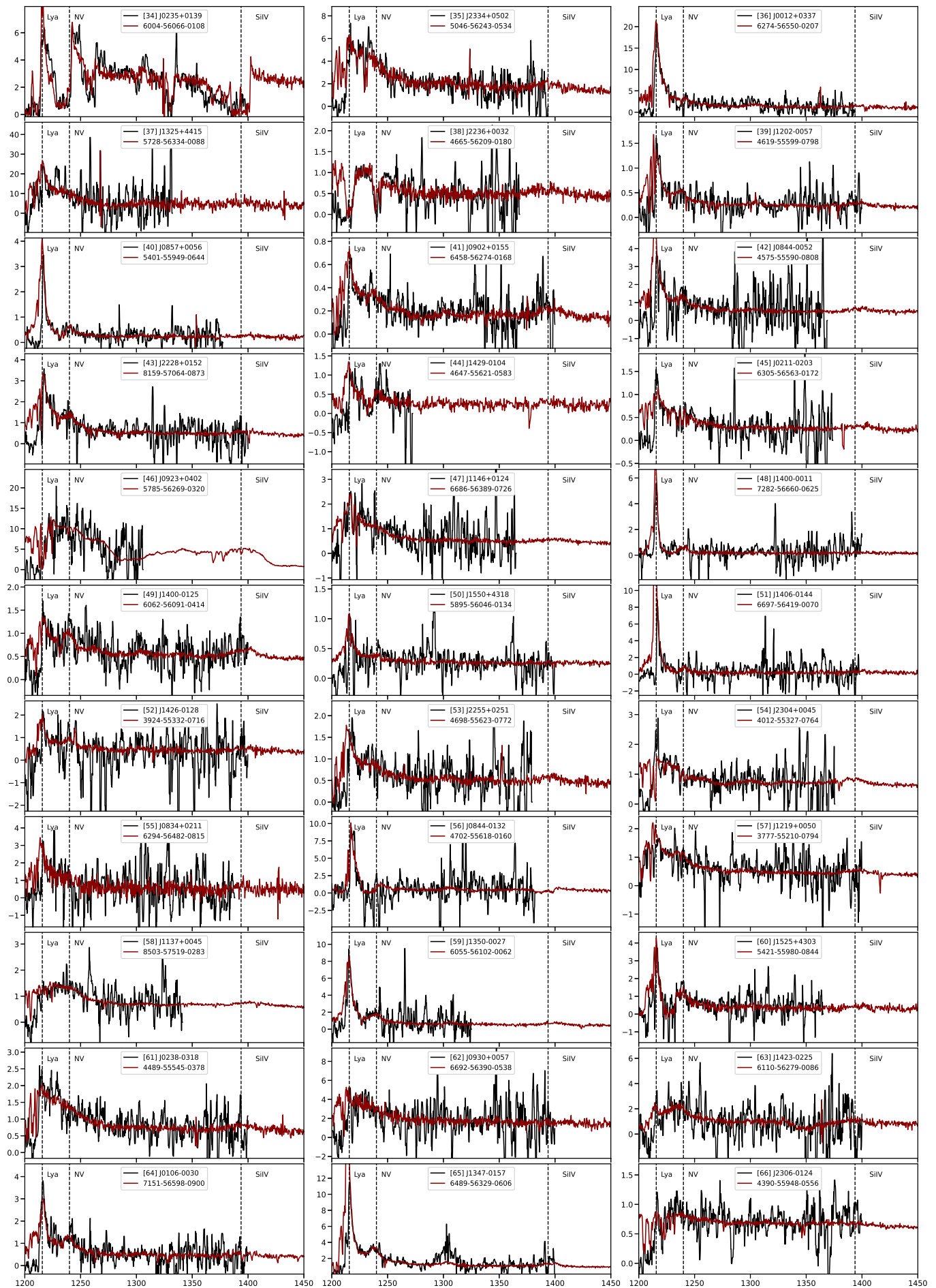
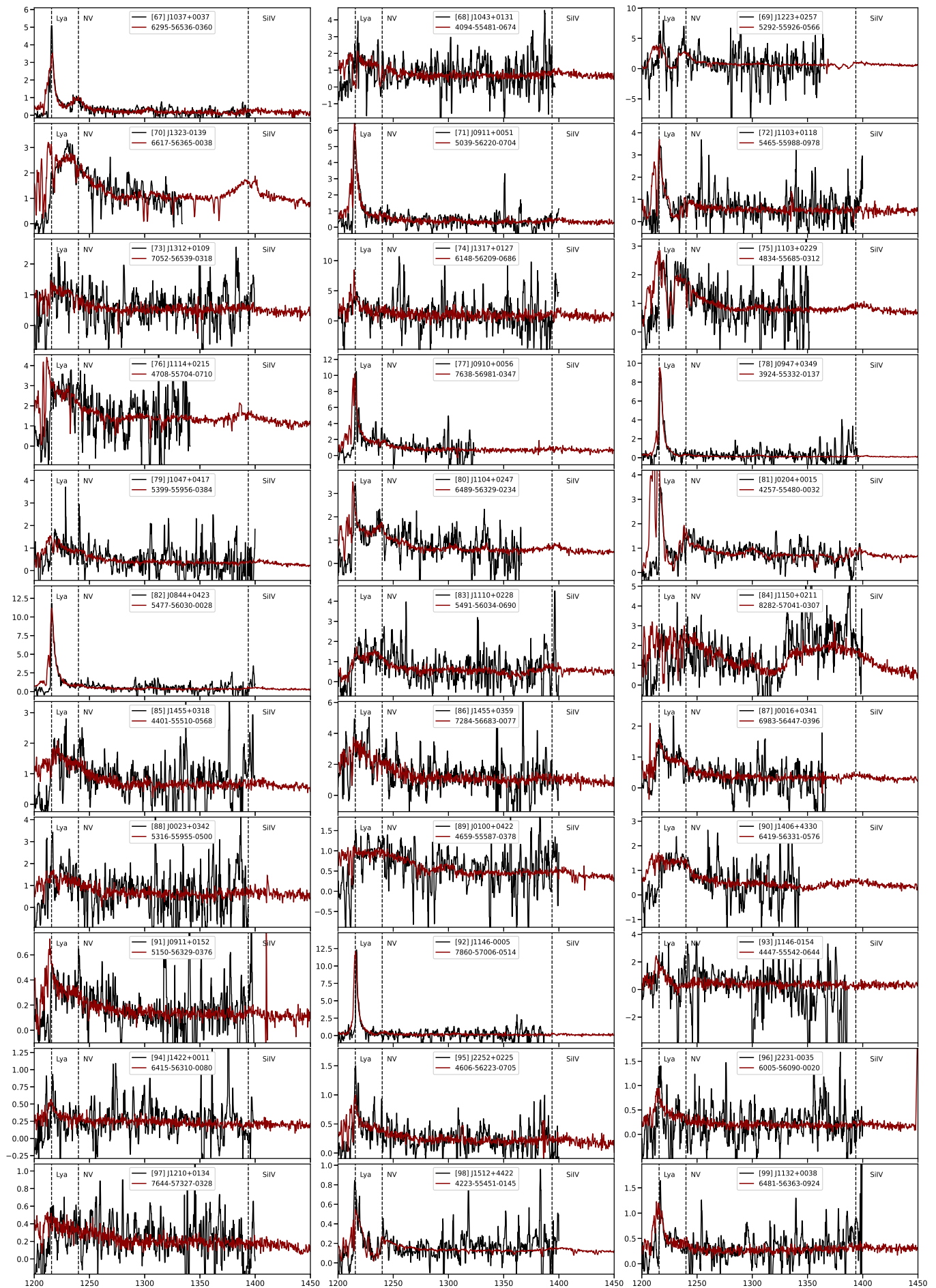
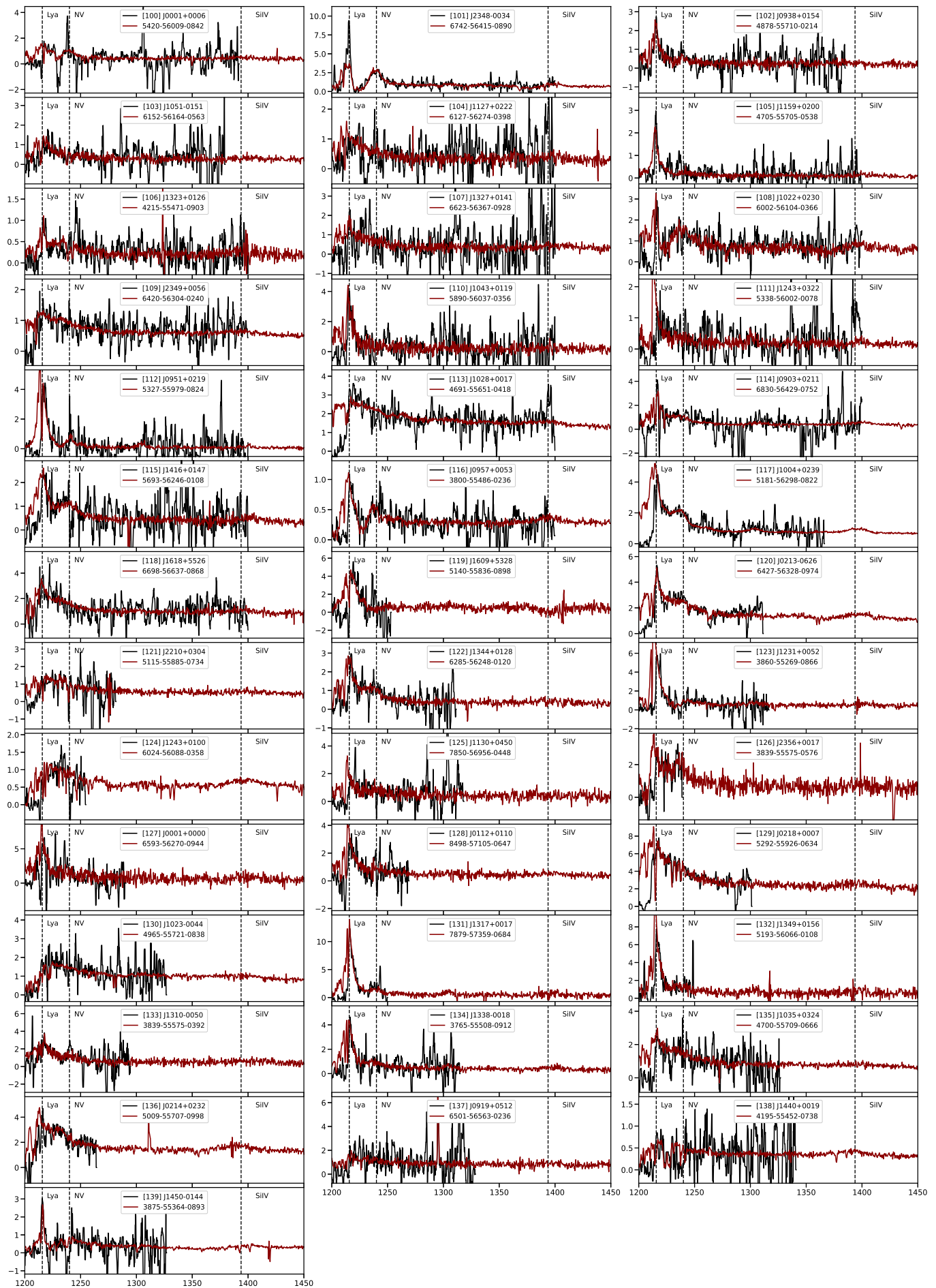


Spectra of 139 type-1 SHELLQs quasars with their SDSS counterparts









**Caption:** Spectral comparison between 139 SHELLQs quasars (black solid line) and their low- $z$  counterparts from SDSS (darkred solid line). The dashed lines mark the expected positions of  $\text{Ly}\alpha$ , N v and Si IV emission lines. The horizontal axis represents the rest-frame wavelength in units of Angstrom, while the vertical axis represents flux density in  $10^{-17}\text{ergs}^{-1}\text{cm}^{-2}\text{\AA}^{-1}$ .