We describe a bijection between \((k, k)\)-Fuss-Schröder paths of type \(\lambda\) and certain rooted plane forests with \(n(k + 1) + 2\) vertices. This yields a recursion which allows us to analytically enumerate the number of large \((k, r)\)-Fuss-Schröder paths of type \(\lambda\), solving an open question posed by An, Jung, and Kim. Furthermore, we generalize the concept of \((k, r)\)-Fuss-Schröder paths to \((k, S)\)-Fuss-Schröder paths, in which \(r\) can take any value in a given set \(S\), and enumerate these paths as well. (Received September 26, 2017)