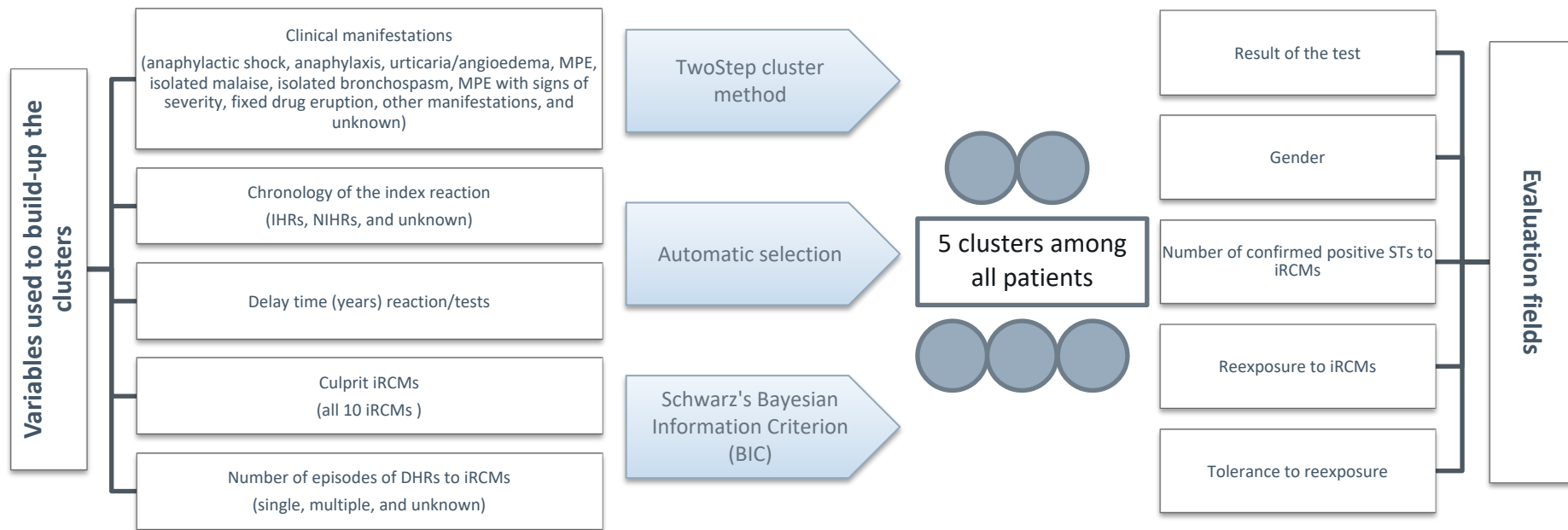
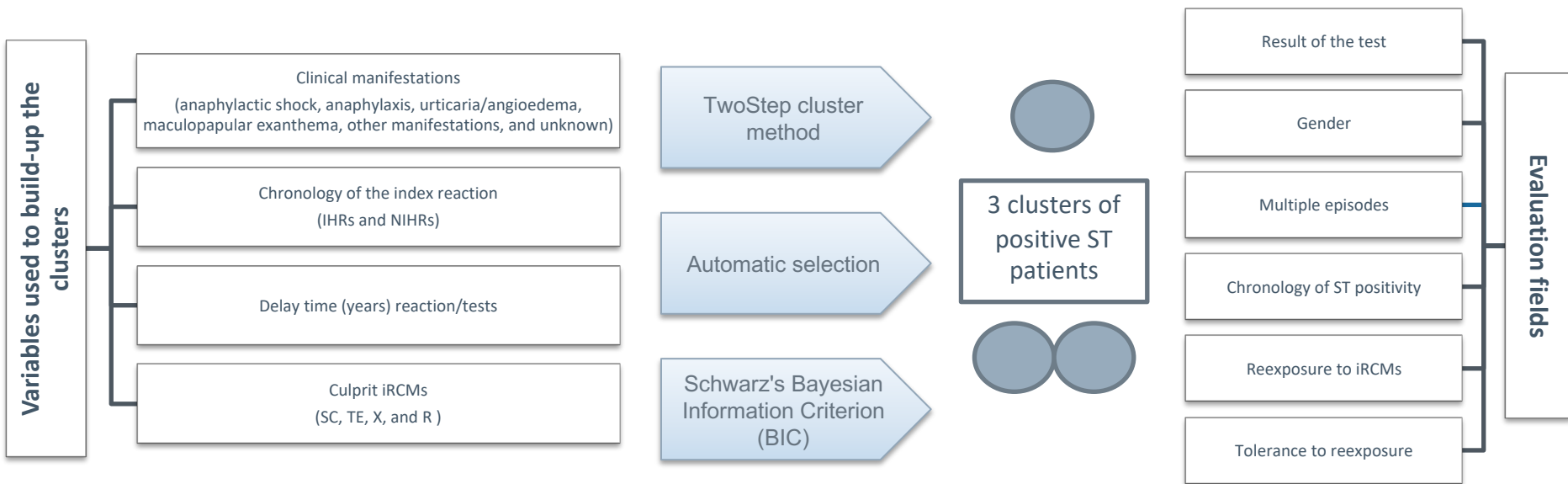


Supplementary Figure 1. Flow diagram of the cluster build-up among all patients (N=1,439)



IHR, immediate hypersensitivity reaction; iRCM, iodinated radiocontrast media; MPE, maculo-papular exanthema; NIHR, non-immediate hypersensitivity reaction; R, amidotrizoate; SC, "similar side chain", i.e., iodixanol/iohexol/ iomeprol/iopamidol/iopromide/ioversol; ST, skin test; TE, ioxitalamate/ioxaglate; X, iobitridol

Supplementary Figure 2. Flow diagram of the cluster build-up among positive ST patients (N=153)



IHR, immediate hypersensitivity reaction; iRCM, iodinated radiocontrast media; NIHR, non-immediate hypersensitivity reaction; R, amidotrizoate; SC, "similar side chain", i.e., iodixanol/iohexol/iomeprol/iopamidol/iopromide/ioversol; ST, skin test; TE, ioxitalamate/ioxaglate; X, iobitridol

Supplementary Figure 3. Transitional flow of all patients (5 clusters) into 3 positive ST clusters

