

**SNP analysis
(n=367)**

**SNP & *dupA* analysis
(n=103)**

***dupA* analysis
(n=79)**

**SNP analysis
(n=470)**

***dupA* analysis
(n=181)**

**Gastritis
(n=265)**

**DU
(n=118)**

**GU
(n=87)**

**Gastritis
(n=94)**

**DU
(n=57)**

**GU
(n=30)**

***dupA* (+) (n=24)
dupA (-) (n=70)**

***dupA* (+) (n=13)
dupA (-) (n=44)**

***dupA* (+) (n= 6)
dupA (-) (n=24)**