**Group MEF**

45 *Hi* isolated from MEF (children with AOM failure or recurrence)

**NP group 1, control group**

98 *Hi* isolated from NP of healthy children

- 46 *Hi* not with *Sp*  
  - n = 20
  - n = 45

- 52 *Hi* with *Sp*  
  - n = 25
  - n = 45

**NP group 2**

82 *Hi* isolated from NP of children with first AOM without conjunctivitis

- 27 *Hi* not with *Sp*  
  - n = 15
  - n = 45

- 55 *Hi* with *Sp*  
  - n = 30
  - n = 45

**NP group 3**

57 *Hi* isolated from NP of children with recurrent AOM without conjunctivitis

- 25 *Hi* not with *Sp*  
  - n = 20
  - n = 45

- 32 *Hi* with *Sp*  
  - n = 25
  - n = 45

**NP group 4**

342 *Hi* isolated from NP of children with AOM and conjunctivitis

- 196 *Hi* not with *Sp*  
  - n = 28
  - n = 45

- 146 *Hi* with *Sp*  
  - n = 17
  - n = 45

**Total analysed Patients n = 225**

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*Hi*: *Haemophilus influenzae*  
*Sp*: *Streptococcus pneumoniae*  
NP: Nasopharyngeal samples  
MEF: Middle ear fluid  
AOM: acute otitis media