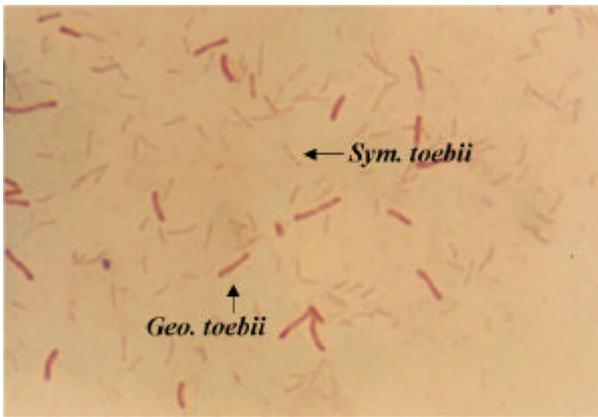


가 ,
 ()가 1999 가 (1999 9 -2001 6)
 () 65
 (*Symbiobacterium toebii*) 350

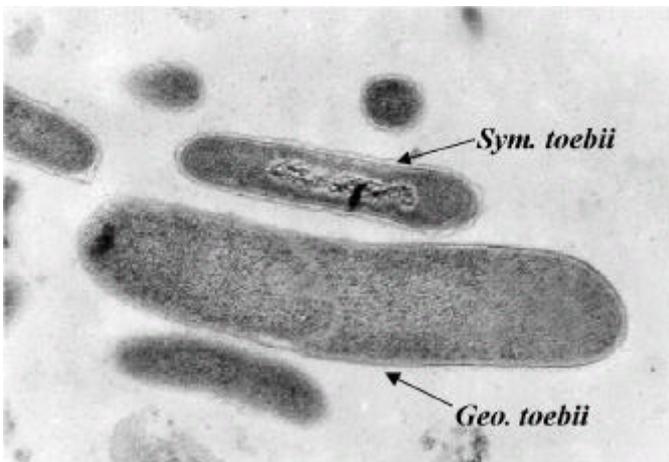
3000

가 , 50%가

, DNA



(*Symbiobacterium toebii*, *Sym. toebii* , 가)
 (*Geobacillus toebii*, *Geo. toebii* ,)



(*Symbiobacterium toebii*, *Sym. toebii*)
 (*Geobacillus toebii*, *Geo. toebii*) (TEM)

가

가 , 가
가 . (가)
(Takara Shuzo) (Dragon Genomics)가

가 ,
가 가 45 -70 , 가 65
(0.2)
, 1-5 , 0.2-0.3
가 , 16S rDNA
Geobacillus stearothermophilus 88.5%

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