

a. *Ureaplasma parvum* primes and probe

	1650	1660	1670	1680	1690	Up-F 1700	1710	Up-P 1720	1730	1740
<i>Ureaplasma parvum</i> serovar 1 str. ATCC 27813/1-2553	1649	AA	AA	AA	AA	AA	AA	AA	AA	AA
<i>Ureaplasma parvum</i> serovar 3 str. ATCC 27815/1-2553	1649	AA	AA	AA	AA	AA	AA	AA	AA	AA
<i>Ureaplasma parvum</i> serovar 6 str. ATCC 27818/1-2553	1649	AA	AA	AA	AA	AA	AA	AA	AA	AA
<i>Ureaplasma parvum</i> serovar 14 str. ATCC 33697/1-2553	1649	AA	AA	AA	AA	AA	AA	AA	AA	AA
<i>Ureaplasma urealyticum</i> serovar 2 str. ATCC 27814/1-2559	1650	AA	AA	AA	AA	AA	AA	AA	AA	AA
<i>Ureaplasma urealyticum</i> serovar 4 str. ATCC 27816/1-2559	1649	AA	AA	AA	AA	AA	AA	AA	AA	AA
<i>Ureaplasma urealyticum</i> serovar 5 str. ATCC 27817/1-2559	1649	AA	AA	AA	AA	AA	AA	AA	AA	AA
<i>Ureaplasma urealyticum</i> serovar 7 str. ATCC 27819/1-2559	1649	AA	AA	AA	AA	AA	AA	AA	AA	AA
<i>Ureaplasma urealyticum</i> serovar 8 str. ATCC 33175/1-2559	1649	AA	AA	AA	AA	AA	AA	AA	AA	AA
<i>Ureaplasma urealyticum</i> serovar 10 str. ATCC 33699/1-2553	1649	AA	AA	AA	AA	AA	AA	AA	AA	AA
<i>Ureaplasma urealyticum</i> serovar 11 str. ATCC 33698/1-2559	1649	AA	AA	AA	AA	AA	AA	AA	AA	AA
<i>Ureaplasma urealyticum</i> serovar 12 str. ATCC 33696/1-2559	1649	AA	AA	AA	AA	AA	AA	AA	AA	AA
<i>Ureaplasma urealyticum</i> serovar 13 str. ATCC 33698/1-2559	1649	AA	AA	AA	AA	AA	AA	AA	AA	AA
<i>Ureaplasma parvum</i> serovar 1 str. ATCC 27813/1-2553	1746	CA	AA	TA	TG	TG	AA	TA	TG	AA
<i>Ureaplasma parvum</i> serovar 3 str. ATCC 27815/1-2553	1746	CA	AA	TA	TG	AA	TA	TG	AA	TA
<i>Ureaplasma parvum</i> serovar 6 str. ATCC 27818/1-2553	1746	CA	AA	TA	TG	AA	TA	TG	AA	TA
<i>Ureaplasma parvum</i> serovar 14 str. ATCC 33697/1-2553	1746	CA	AA	TA	TG	AA	TA	TG	AA	TA
<i>Ureaplasma urealyticum</i> serovar 2 str. ATCC 27814/1-2559	1747	TA	AA	TA	TG	AA	TA	TG	AA	TA
<i>Ureaplasma urealyticum</i> serovar 4 str. ATCC 27816/1-2559	1746	CA	AA	TA	TG	AA	TA	TG	AA	TA
<i>Ureaplasma urealyticum</i> serovar 5 str. ATCC 27817/1-2559	1746	CA	AA	TA	TG	AA	TA	TG	AA	TA
<i>Ureaplasma urealyticum</i> serovar 7 str. ATCC 27819/1-2559	1746	CA	AA	TA	TG	AA	TA	TG	AA	TA
<i>Ureaplasma urealyticum</i> serovar 8 str. ATCC 33175/1-2559	1746	CA	AA	TA	TG	AA	TA	TG	AA	TA
<i>Ureaplasma urealyticum</i> serovar 10 str. ATCC 33699/1-2553	1746	CA	AA	TA	TG	AA	TA	TG	AA	TA
<i>Ureaplasma urealyticum</i> serovar 11 str. ATCC 33698/1-2559	1746	CA	AA	TA	TG	AA	TA	TG	AA	TA
<i>Ureaplasma urealyticum</i> serovar 12 str. ATCC 33696/1-2559	1746	CA	AA	TA	TG	AA	TA	TG	AA	TA
<i>Ureaplasma urealyticum</i> serovar 13 str. ATCC 33698/1-2559	1746	CA	AA	TA	TG	AA	TA	TG	AA	TA

b. *Ureaplasma urealyticum* primes and probe

	2140	2150	2160	2170	2180	2190	2200	2210	2220	2230
<i>Ureaplasma parvum</i> serovar 1 str. ATCC 27813/1-2553	2134	G	T	T	T	T	T	T	T	T
<i>Ureaplasma parvum</i> serovar 3 str. ATCC 27815/1-2553	2134	G	T	T	T	T	T	T	T	T
<i>Ureaplasma parvum</i> serovar 6 str. ATCC 27818/1-2553	2134	G	T	T	T	T	T	T	T	T
<i>Ureaplasma parvum</i> serovar 14 str. ATCC 33697/1-2553	2134	G	T	T	T	T	T	T	T	T
<i>Ureaplasma urealyticum</i> serovar 2 str. ATCC 27814/1-2559	2135	A	T	T	T	T	T	T	T	T
<i>Ureaplasma urealyticum</i> serovar 4 str. ATCC 27816/1-2559	2134	A	T	T	T	T	T	T	T	T
<i>Ureaplasma urealyticum</i> serovar 5 str. ATCC 27817/1-2559	2134	A	T	T	T	T	T	T	T	T
<i>Ureaplasma urealyticum</i> serovar 7 str. ATCC 27819/1-2559	2134	A	T	T	T	T	T	T	T	T
<i>Ureaplasma urealyticum</i> serovar 8 str. ATCC 33175/1-2559	2134	A	T	T	T	T	T	T	T	T
<i>Ureaplasma urealyticum</i> serovar 10 str. ATCC 33699/1-2553	2134	A	T	T	T	T	T	T	T	T
<i>Ureaplasma urealyticum</i> serovar 11 str. ATCC 33698/1-2559	2134	A	T	T	T	T	T	T	T	T
<i>Ureaplasma urealyticum</i> serovar 12 str. ATCC 33696/1-2559	2134	A	T	T	T	T	T	T	T	T
<i>Ureaplasma urealyticum</i> serovar 13 str. ATCC 33698/1-2559	2134	A	T	T	T	T	T	T	T	T
<i>Ureaplasma parvum</i> serovar 1 str. ATCC 27813/1-2553	2231	CA	AA	AA	AA	AA	AA	AA	AA	AA
<i>Ureaplasma parvum</i> serovar 3 str. ATCC 27815/1-2553	2231	CA	AA	AA	AA	AA	AA	AA	AA	AA
<i>Ureaplasma parvum</i> serovar 6 str. ATCC 27818/1-2553	2231	CA	AA	AA	AA	AA	AA	AA	AA	AA
<i>Ureaplasma parvum</i> serovar 14 str. ATCC 33697/1-2553	2231	CA	AA	AA	AA	AA	AA	AA	AA	AA
<i>Ureaplasma urealyticum</i> serovar 2 str. ATCC 27814/1-2559	2232	CA	AA	AA	AA	AA	AA	AA	AA	AA
<i>Ureaplasma urealyticum</i> serovar 4 str. ATCC 27816/1-2559	2231	CA	AA	AA	AA	AA	AA	AA	AA	AA
<i>Ureaplasma urealyticum</i> serovar 5 str. ATCC 27817/1-2559	2231	CA	AA	AA	AA	AA	AA	AA	AA	AA
<i>Ureaplasma urealyticum</i> serovar 7 str. ATCC 27819/1-2559	2231	CA	AA	AA	AA	AA	AA	AA	AA	AA
<i>Ureaplasma urealyticum</i> serovar 8 str. ATCC 33175/1-2559	2231	CA	AA	AA	AA	AA	AA	AA	AA	AA
<i>Ureaplasma urealyticum</i> serovar 10 str. ATCC 33699/1-2553	2231	CA	AA	AA	AA	AA	AA	AA	AA	AA
<i>Ureaplasma urealyticum</i> serovar 11 str. ATCC 33698/1-2559	2231	CA	AA	AA	AA	AA	AA	AA	AA	AA
<i>Ureaplasma urealyticum</i> serovar 12 str. ATCC 33696/1-2559	2231	CA	AA	AA	AA	AA	AA	AA	AA	AA
<i>Ureaplasma urealyticum</i> serovar 13 str. ATCC 33698/1-2559	2231	CA	AA	AA	AA	AA	AA	AA	AA	AA

Appendix 1 Multiple sequence alignment of the ParC genes of 14 serotypes of *Ureaplasma* spp.

(a) Sequence of the *U. parvum* primers/probe; (b) Sequence of the *U. urealyticum* primers/probe.

The nucleotide sequence of 14 serovars of *Ureaplasma* spp. was downloaded from GenBank and aligned using MegaX software. The primers and TaqMan probe were designed by Primer Express 3.0 (Applied Biosystems, Foster City, CA, USA) based on conserved ParC gene regions of *U. parvum* and *U. urealyticum*. The TaqMan probes of target genes were linked to FAM at the 5' terminus.