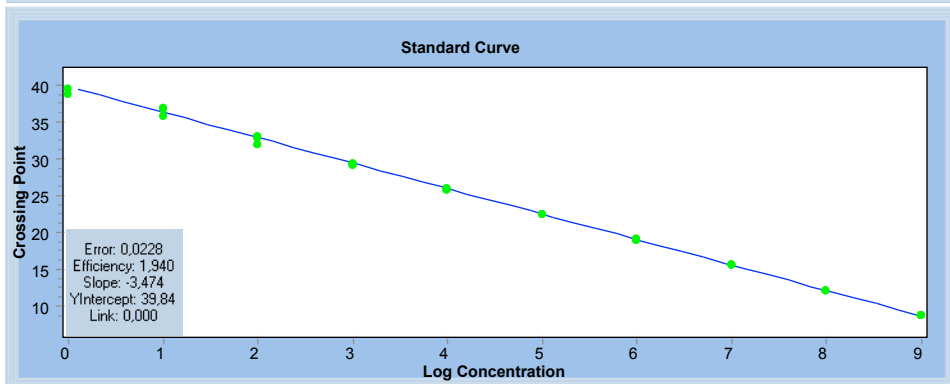
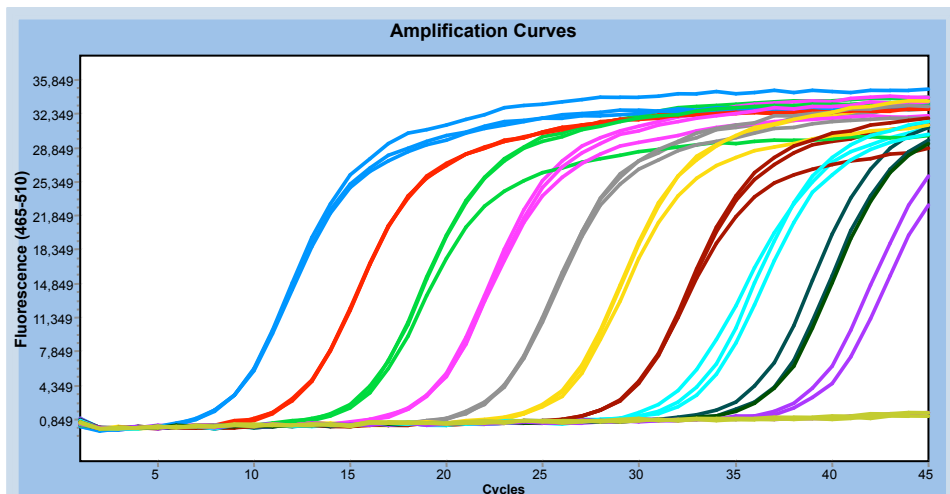


LyoBead Probe MasterMix

- Linear amplification over a minimum of 9 logarithmic steps

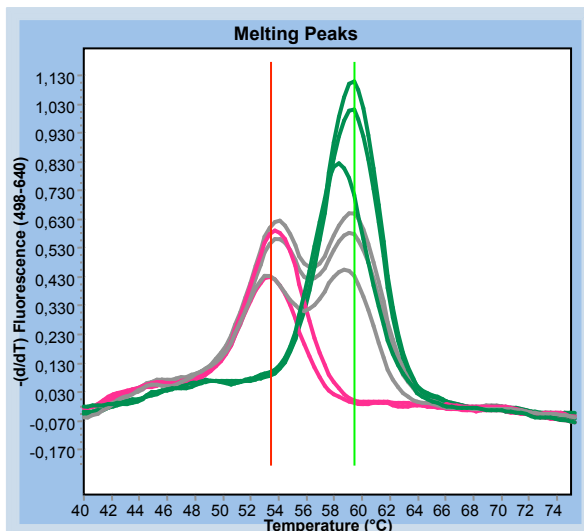
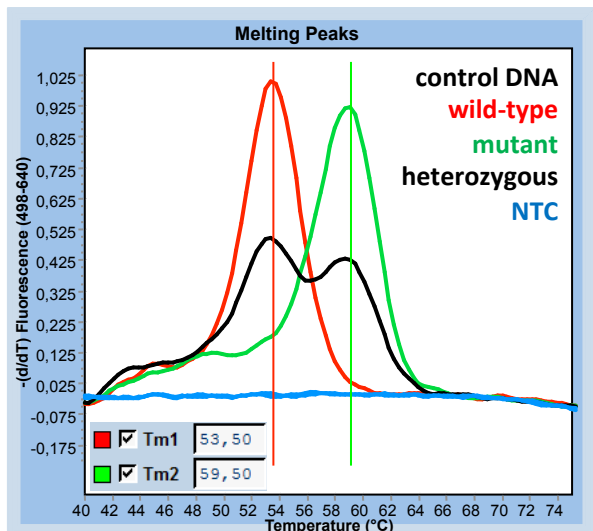
In-house TaqMan assay for Parvovirus B19.
3-fold determination on a plasmid dilution series (30-9045-01). 10^9 - 10^0 copies/rxn were tested.

	Cp (Mean)	SD
10^9	8,7	0,03
10^8	12,1	0,01
10^7	15,5	0,03
10^6	19,0	0,06
10^5	22,4	0,03
10^4	25,8	0,04
10^3	29,2	0,14
100	32,5	0,63
10	36,4	0,56
1	39,1	0,47



- Genotyping

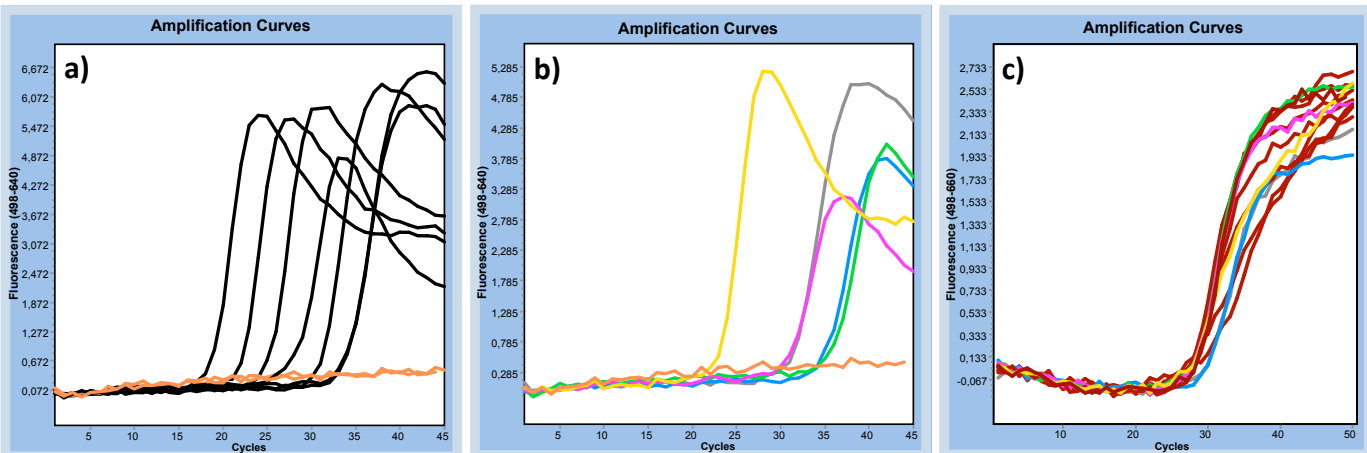
Tested on MCM6 C-13910T mutation for lactose tolerance/intolerance with the LightMix® Kit Lactose Intolerance (40-0307-32) by TIB-Molbiol according to manual specifications. The controls are part of the kit, furthermore 8 DNA samples (2x wt, 3x mut, 3x het) were tested.



LyoBead Probe MasterMix

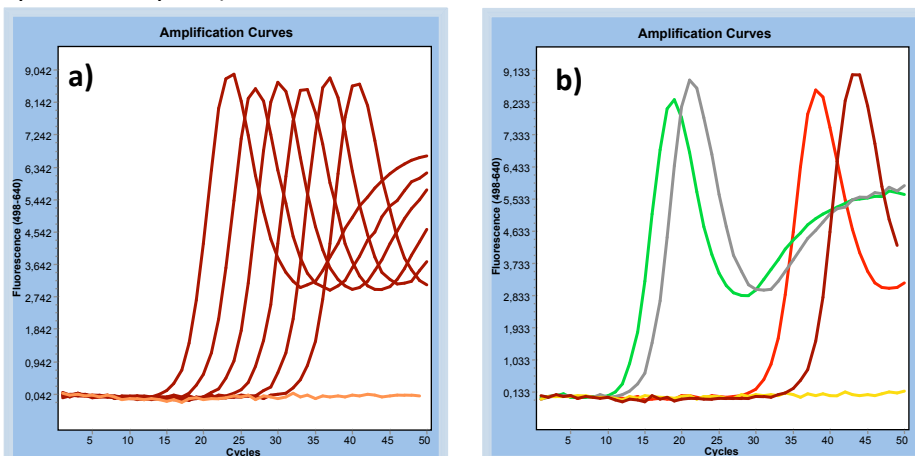
• Hybridisation Probe Assays (LC-probes)

A) Tested on *T. vaginalis* with the LightMix® Kit *Trichomonas vaginalis* (40-0610-32) by TIB-Molbiol according to manual specifications. The standard series for quantitative sample determination are part of the kit, furthermore 6 DNA samples were tested.

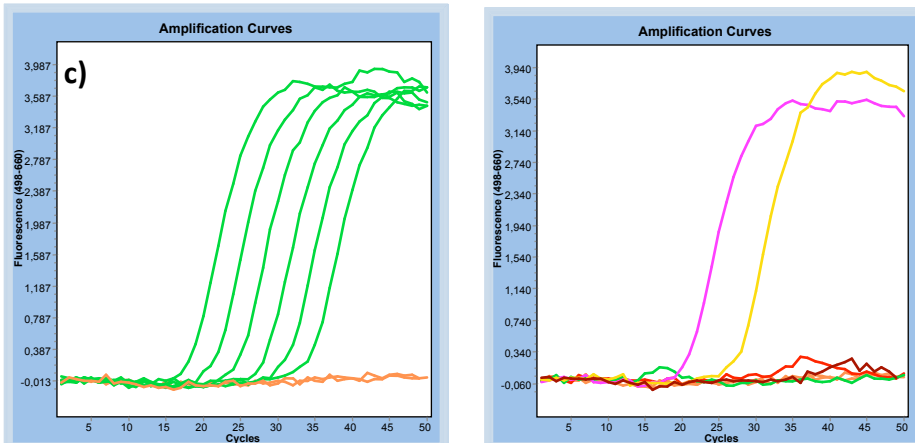


a) Standard series 10^6 - 10 copies/rxn (LC640); **b)** *T. vaginalis* positive DNA samples (LC640); **c)** internal PCR control (LC660)

B) Tested on *B. pertussis*/*B. paraptussis* with the dual-color LightMix® Kit *Bordetella pertussis and paraptussis* (40-0575-32) by TIB-Molbiol according to manual specifications. The standard series for quantitative sample determination are part of the kit, furthermore 6 DNA samples were tested (4x *B. pert.*, 2x *B. para*).



a) Standard series for *B. pertussis* 10^6 - 10 copies/rxn (LC640);
b) *B. pertussis* positive DNA samples (LC640);

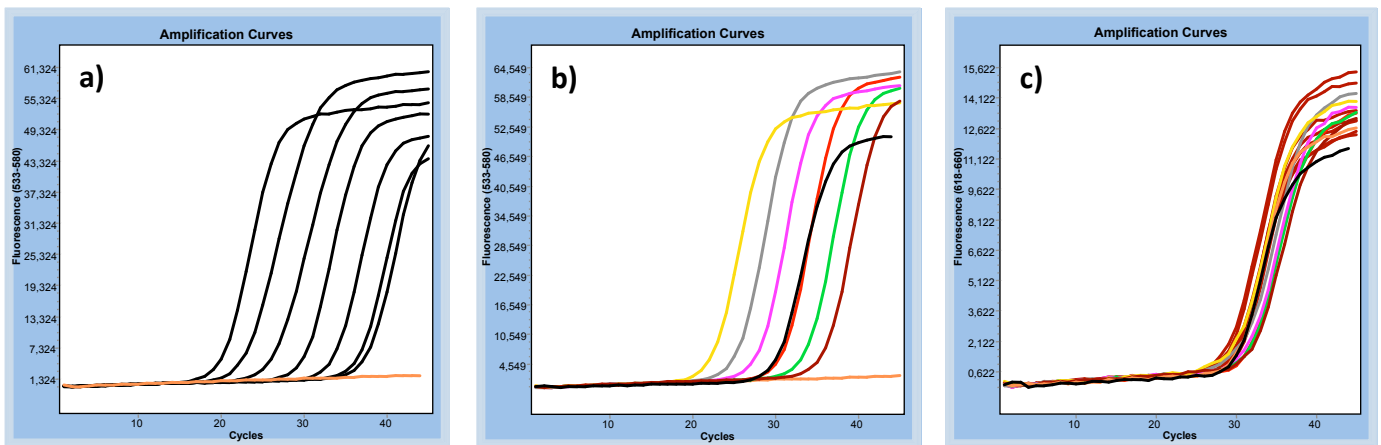


c) Standard series for *B. paraptussis* 10^6 - 10 copies/rxn (LC660);
d) *B. paraptussis* positive DNA samples (LC660)

LyoBead Probe MasterMix

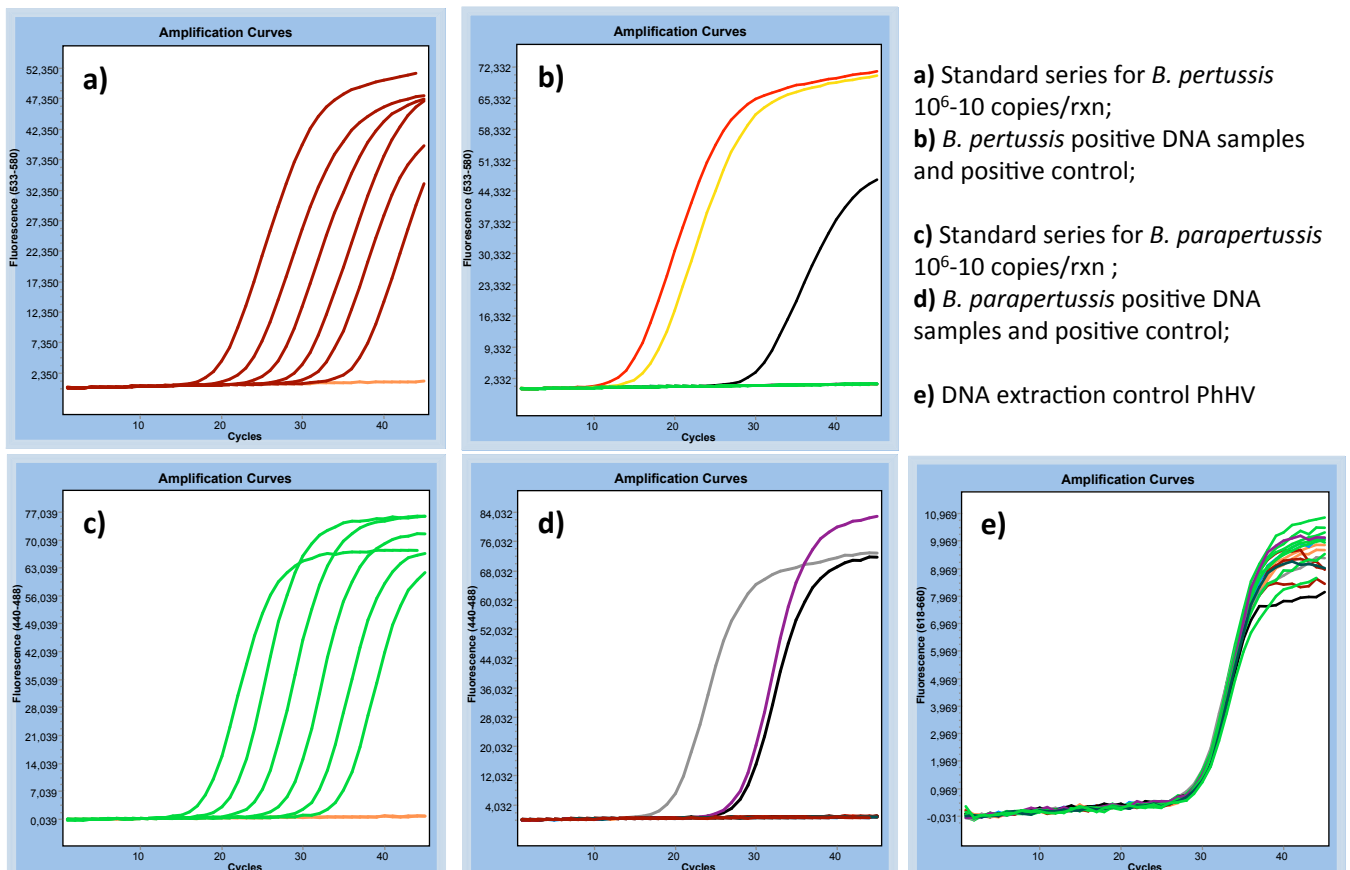
• Hydrolysis probe assays (TaqMan™)

A) Tested was on *T. vaginalis* with the LightMix® Modular *Trichomonas vaginalis* RepeatDNA (n° 07 696 191 001) by Roche according to manual specifications. The standard series was created from the plasmid 30-9472-02 from GenExpress, the positive control (black amplification curve) is part of the kit, furthermore 6 DNA samples were tested.



a) Standard series 10^6 -10 copies/rxn; **b)** *T. vaginalis* positive DNA samples and positive control; **c)** DNA extraction control PhHV

B) Tested on *B. pertussis*/*B. parapertussis* in a triplex approach with the LightMix® Modular *Bordetella pertussis* (n° 07 730 543 001) and *Bordetella parapertussis* (n° 07 730 004 001) by Roche according to manual specifications. The standard series were created from plasmid 30-7099-01 (*B. pert*) and 30-8589-01 (*B. para*) from GenExpress, the positive controls (black amplification curves) are part of the kit, furthermore 6 DNA samples were tested (4x *B. pert*, 2x *B. para*).

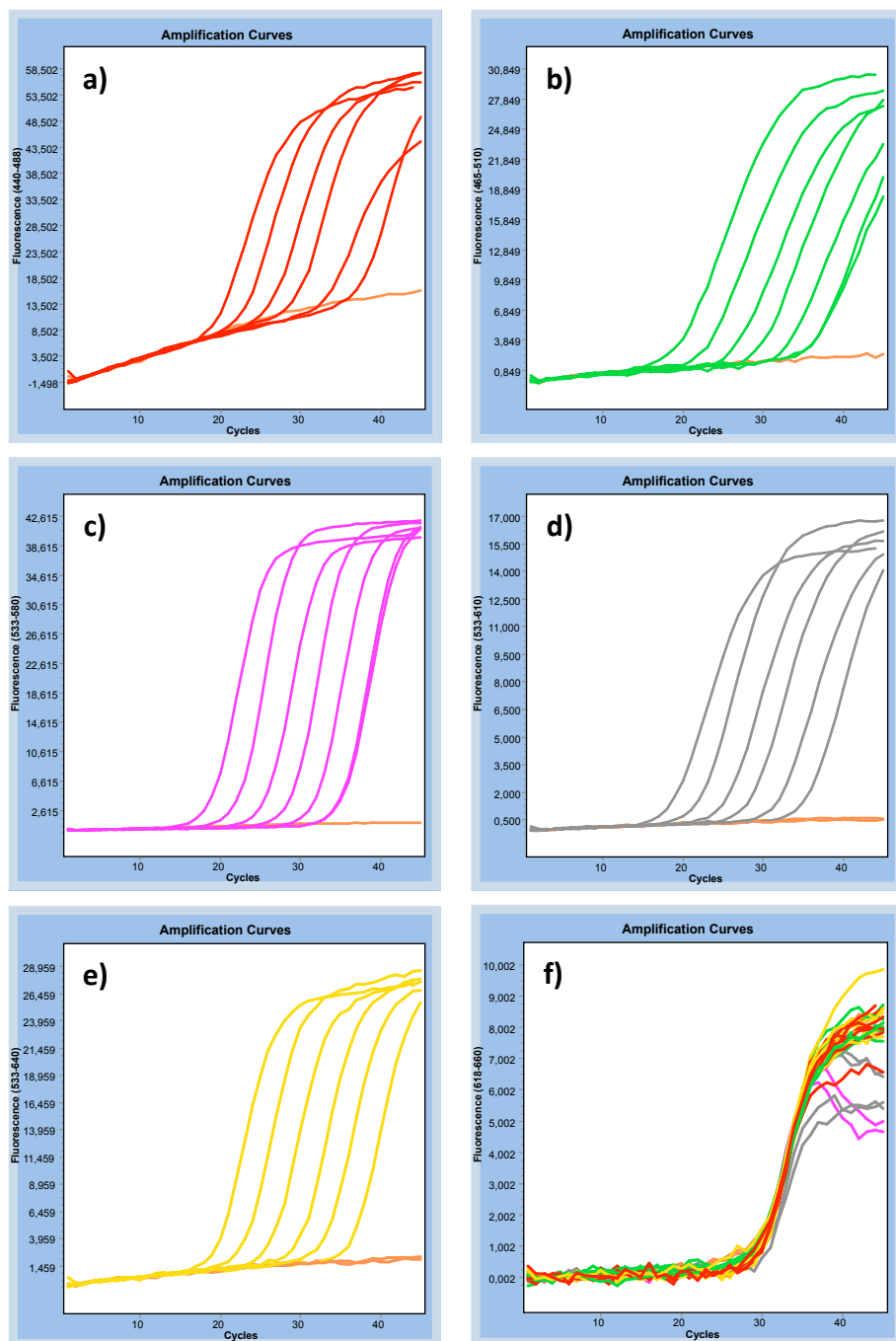


a) Standard series for *B. pertussis* 10^6 -10 copies/rxn;
b) *B. pertussis* positive DNA samples and positive control;
c) Standard series for *B. parapertussis* 10^6 -10 copies/rxn ;
d) *B. parapertussis* positive DNA samples and positive control;
e) DNA extraction control PhHV

LyoBead Probe MasterMix

- Hydrolysis probe assays (TaqMan™)

C) Tested on ESBL carbapenemase in a hexplex approach with LightMix® Modular VIM carbapenemase (n° 07 042 370 001), NDM-1 carbapenemase (n° 07 042 299 001), OXA-48 carbapenemase (n° 07 042 302 001), KPC carbapenemase (n° 07 042 272 001) and IMP carbapenemase (n° 07 042 345 001) by Roche according to manual specifications. The standard series were created from plasmids 30-8896-02 (VIM), 30-8439-01 (NDM-1), 30-8823-01 (OXA-48), 30-8799-01 (KPC) and 30-8892-02 (IMP) by GenExpress.



a) Standard series for VIM 10^6 - 10 copies/rxn

b) Standard series for NDM-1 10^6 - 10 copies/rxn

c) Standard series for OXA-48 10^6 - 10 copies/rxn

d) Standard series for KPC 10^6 - 10 copies/rxn

e) Standard series for IMP 10^6 - 10 copies/rxn

f) DNA extraction control PhHV