**Supplementary Table S2**. Italian and Cefas archived outbreak samples from European crayfish (white clawed crayfish – *A. pallipes*) collected from water courses in Italy and England (UK). *A. astaci*. Ct mean from qPCR analysis follows Vrålstad *et al*. (2009) and is indicated in brackets when known (Pretto *et al.*, 2014;). Hyphen (–) = information not available. Asterisk (\*)= *A. astaci* pure culture isolated during the Italian outbreak. (DC) = dead crayfish at time of collection. (MC) = moribund crayfish at time of collection.

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| --- | --- | --- | --- |
| **Outbreak ID** | **Sample number (Ct mean)** | **Outbreak year** | **Outbreak location** |
| PM28325 | 1.2; 1.4 | 2014 | River Allen (UK) |
| PM28465 | 1.2 | 2014 | River Don (UK) |
| PM21018 | 1; 2; 3 | 2010 | River Wissey (UK) |
| PM19790 | 1; 2; 6; 7 | 2009 | River Don (UK) |
| PM19955 | 1.1; 2.1; 3.1 | 2009 | River Wye (UK) |
| PM-M17120 | 1; 2 | 2007 | – (UK) |
| Italy | 17/ITT/14.11 (22.6) (DC); 17/ITT/14.16 (21.94) (DC); 69/ITT/14.1 (15.28) (MC); 69/ITT/14.7 (19.61) (MC); 17/ITT/14.α23\*; 17/ITT/14.25βbis\*; 17/ITT/14.2bis\* | 2014 | Friuli Venezia Giulia Region (Italy) |