

Supplementary materials

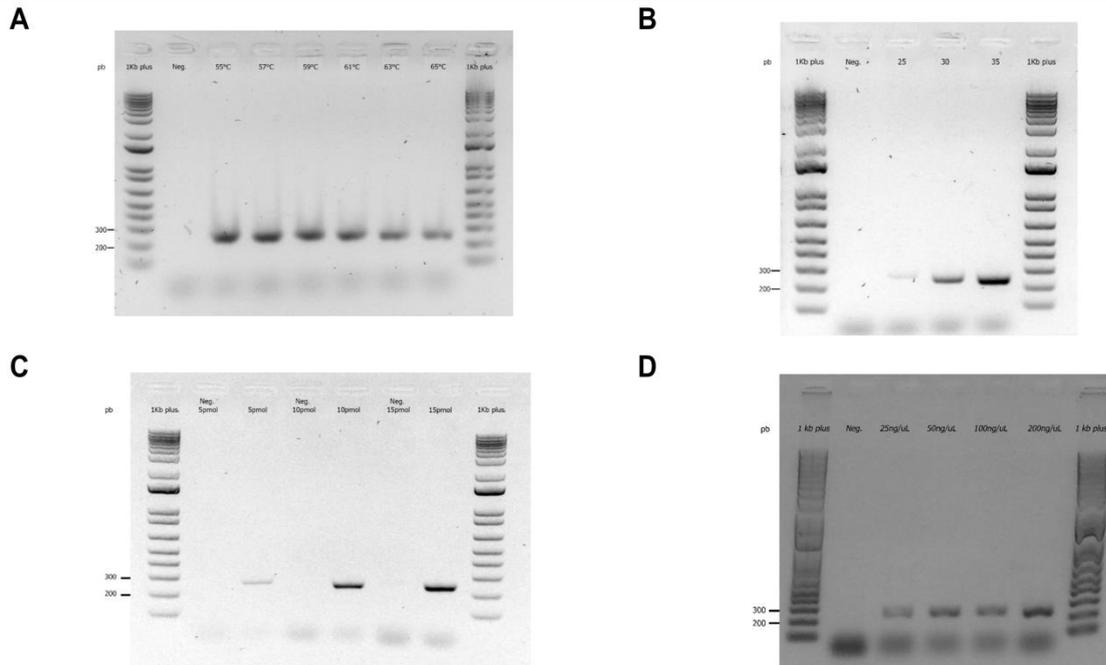


Figure S1. Standardization and validation of PCR assays for *V. parahaemolyticus* *zot* (A) Alignment temperature of *zot* primers for *V. parahaemolyticus*. Each lane shows an amplification result for each temperature analyzed, Neg: negative control without template DNA. (B) Amplification cycles for detection of *zot* in *V. parahaemolyticus*. Each lane shows the amplification result for cycles 25, 30 and 35, Neg: negative control without template DNA. (C) Amount of primer for the detection of *zot* in *V. parahaemolyticus*. Each lane shows the amplification result for 5, 10 and 15 pmol of each primer, Neg: negative control without template DNA. (D) Amount of gDNA for the detection of *zot* in *V. parahaemolyticus*. Each lane shows the amplification result for the quantities analyzed, Neg: negative control without template DNA. Image of the 1% w/v agarose gel. The molecular size standard corresponds to Ladder 1kb plus and the size of the bands that allow the identification of the resulting amplicon is indicated.

Table S1. Environmental isolates of *V. parahaemolyticus* from bivalve shellfish harvested in the Northern Adriatic Sea (Italy).

ID	Date	Geographic origin	Source	<i>toxR</i>	<i>tdh</i>	<i>trh</i>	TTSS1	TTSS2a	TTSS2b	<i>zot</i>
1122	30/05/2012	Northern Adriatic Sea	clams	1	0	1	1	0	1	0
1128	13/06/2012	Northern Adriatic Sea	clams	1	0	0	1	0	0	0
1129	19/06/2012	Northern Adriatic Sea	clams	1	0	1	1	0	1	0
1140	28/08/2012	Northern Adriatic Sea	clams	1	0	0	1	0	0	1
1141	29/08/2012	Northern Adriatic Sea	clams	1	0	0	1	0	0	0
1147	26/09/2012	Northern Adriatic Sea	clams	1	0	0	1	0	0	0
1158	24/10/2012	Northern Adriatic Sea	clams	1	0	1	1	0	1	0

1162	14/11/2012	Northern Adriatic Sea	clams	1	0	0	1	0	0	0
1163	15/11/2012	Northern Adriatic Sea	clams	1	0	0	1	0	0	0
1164	21/11/2012	Northern Adriatic Sea	clams	1	0	1	1	0	1	0
1172	13/12/2012	Northern Adriatic Sea	clams	1	0	0	1	0	0	1
1182	14/05/2013	Northern Adriatic Sea	mussels	1	0	0	1	0	0	1
1204	19/11/2013	Northern Adriatic Sea	clams	1	0	0	1	0	0	1
1213	03/03/2014	Northern Adriatic Sea	clams	1	0	0	1	0	0	0
1214	06/03/2014	Northern Adriatic Sea	clams	1	0	0	1	0	0	1
1215	12/03/2014	Northern Adriatic Sea	clams	1	0	1	1	0	1	0
1219	06/05/2014	Northern Adriatic Sea	mussels	1	0	0	1	1	0	0
1220	09/05/2014	Northern Adriatic Sea	clams	1	0	0	1	1	0	0
1221	09/05/2014	Northern Adriatic Sea	clams	1	0	1	1	0	1	1
1225	29/05/2014	Northern Adriatic Sea	clams	1	0	1	1	0	1	0
1226	30/05/2014	Northern Adriatic Sea	clams	1	0	1	1	0	1	0
1231	18/06/2014	Northern Adriatic Sea	clams	1	0	0	1	0	0	0
1234	30/06/2014	Northern Adriatic Sea	clams	1	0	1	1	0	1	0
1237	01/07/2014	Northern Adriatic Sea	clams	1	0	0	1	0	0	1
1242	04/08/2014	Northern Adriatic Sea	clams	1	0	0	1	0	0	1
1246	21/08/2014	Northern Adriatic Sea	clams	1	0	0	1	0	0	0
1252	02/09/2014	Northern Adriatic Sea	clams	1	0	0	1	0	0	0
1260	06/10/2014	Northern Adriatic Sea	clams	1	0	0	1	0	0	0
1262	09/10/2014	Northern Adriatic Sea	clams	1	0	0	1	0	0	1
1269	10/11/2014	Northern Adriatic Sea	clams	1	0	0	1	0	0	1
1272	10/11/2014	Northern Adriatic Sea	clams	1	0	0	1	0	0	0
1275	18/11/2014	Northern Adriatic Sea	clams	1	0	0	1	0	0	0

1282	02/12/2014	Northern Adriatic Sea	clams	1	0	0	1	0	0	0
1291	21/04/2015	Northern Adriatic Sea	oysters	1	0	0	1	0	0	1
1292	27/04/2015	Northern Adriatic Sea	clams	1	0	0	1	0	0	0
1300	06/07/2015	Northern Adriatic Sea	clams	1	0	0	1	0	0	0
1303	08/07/2015	Northern Adriatic Sea	clams	1	0	0	1	0	0	0
1304	16/07/2015	Northern Adriatic Sea	clams	1	0	0	1	0	0	0
1326	14/12/2015	Northern Adriatic Sea	mussels	1	0	0	1	0	0	0
1329	21/12/2015	Northern Adriatic Sea	clams	1	0	0	1	0	0	0
1332	26/01/2016	Northern Adriatic Sea	clams	1	0	0	1	0	0	0
1340	16/05/2016	Northern Adriatic Sea	clams	1	0	1	1	0	1	0
1341	18/05/2016	Northern Adriatic Sea	clams	1	0	0	1	1	0	0
1344	24/05/2016	Northern Adriatic Sea	mussels	1	0	0	1	0	0	0
1346	25/05/2016	Northern Adriatic Sea	mussels	1	0	0	1	0	0	0
1349	06/06/2016	Northern Adriatic Sea	clams	1	0	0	1	1	0	0
1354	13/06/2016	Northern Adriatic Sea	clams	1	0	0	1	0	0	1
1372	07/07/2016	Northern Adriatic Sea	clams	1	0	0	1	0	0	0
1395	10/08/2016	Northern Adriatic Sea	clams	1	0	0	1	0	0	1
1404	20/09/2016	Northern Adriatic Sea	mussels	1	0	0	1	0	0	0
1411	06/10/2016	Northern Adriatic Sea	clams	1	0	0	1	0	0	1
1419	25/10/2016	Northern Adriatic Sea	clams	1	0	0	1	0	0	0
1425	07/11/2016	Northern Adriatic Sea	clams	1	0	0	1	0	0	0
1429	09/11/2016	Northern Adriatic Sea	mussels	1	0	0	1	0	0	0

1: presence and 0: absence.