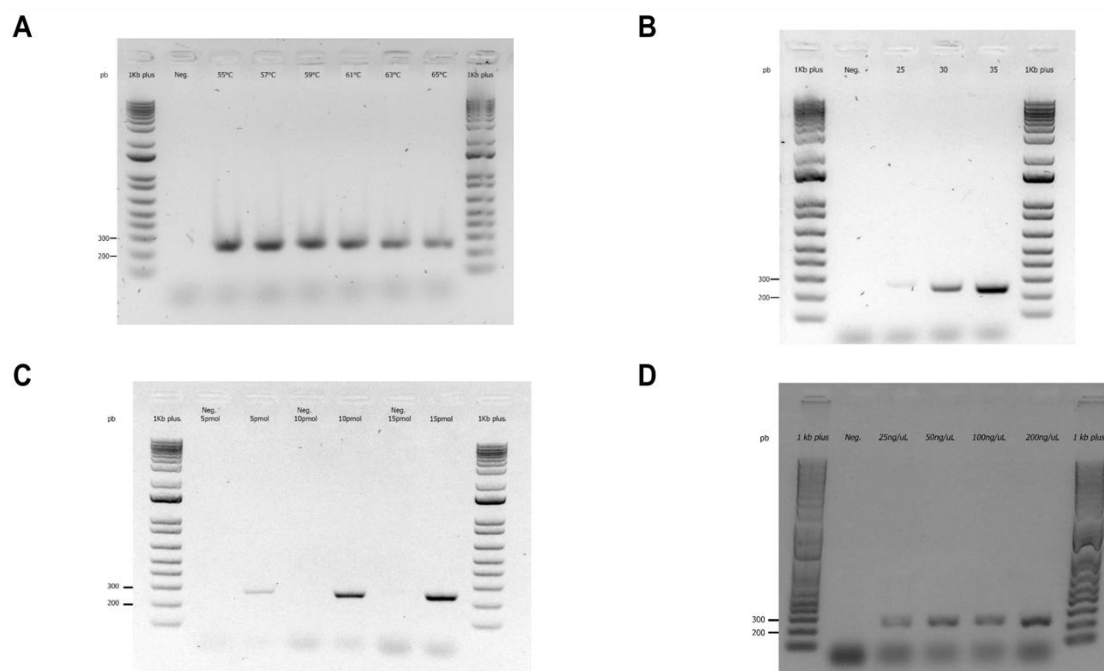


## Supplementary materials



**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

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

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

1: presence and 0: absence.