

## *Supplementary Material*

# **Virtual screening and biomolecular interactions of CviR-based quorum sensing inhibitors against *Chromobacterium violaceum***

**Vinothkannan Ravichandran, Lin Zhong, Hailong Wang, Guangle Yu, Youming Zhang \***

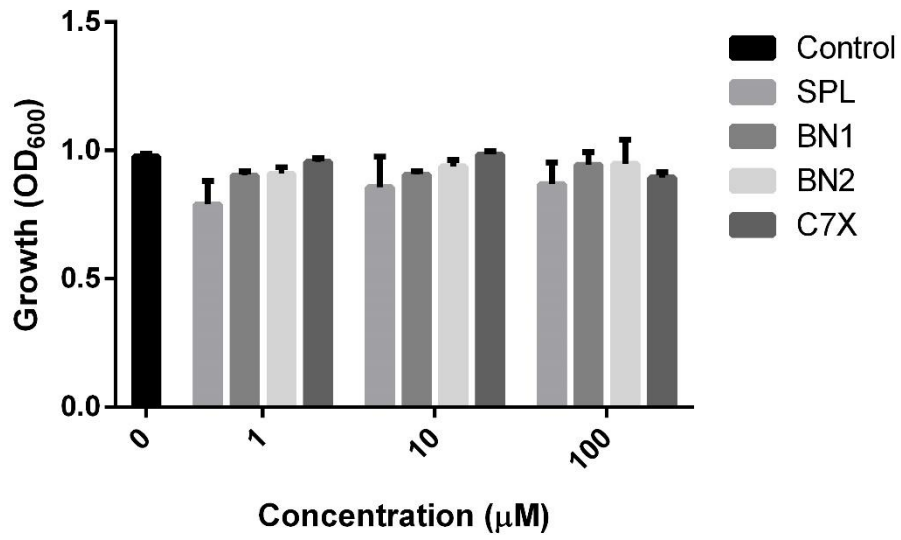
Shandong University–Helmholtz Institute of Biotechnology, State Key Laboratory of Microbial Technology, School of Life Science, Shandong University, Qingdao - 266237, P.R. China

**\* Correspondence:**

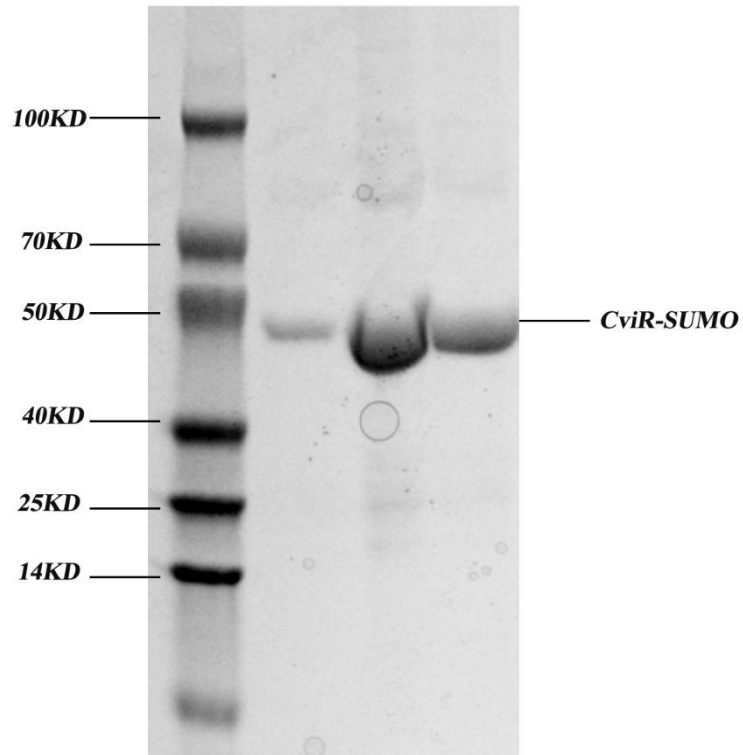
Corresponding Author: Youming Zhang  
[zhangyouming@sdu.edu.cn](mailto:zhangyouming@sdu.edu.cn)

**Table S1: The primers used in this study**

<b>Gene</b>	<b>Primers</b>
cviR-5RT	GGTATTGGGACGCCTGAACA
cviR-3RT	CTGGGAGTACTGGTTGAGCC
cviI-5RT	GAAACCGTCCTCGCATAAGG
cviI-3RT	CTGAAACTAAGCTGCGACAGTTG
vioB-5RT	ATGCGAATGCTCGTAATGCG
vioB-3RT	TCCTCAACGAGCTGACCAAC
vioC-5RT	TTGCTATGCATGTAGCGGGTG
vioC-3RT	CAAGGCCTTTCCCGAGTTCAC
vioD-5RT	GGAACACCTTGGCGACGTAT
vioD-3RT	GGACACGATGAGCACCTTCA
rpoD-cvir-5RT	GAATTCGGAGTCCACCGAGG
rpoD-cvir-3RT	GCATCCAGGTATGCGAGGAA



**Figure S1: The influence of QSIs on the growth of *C.violaceum*. Though there is a fluctuation, there is no significant growth inhibition was observed.**



**Figure S2: The purified CviR protein with SUMO.**