

## Electronic Supplementary Information

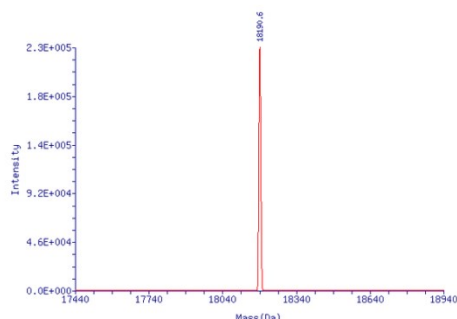
### A fluorescent aptasensor based on berberine for ultrasensitive detection of bisphenol A in tap water

Yuxin Wei, Yangyang Zhou, Yanli Wei\*, Chuan Dong, Li Wang\*

Institute of Environmental Science, Shanxi University, Taiyuan 030006, P. R. China.

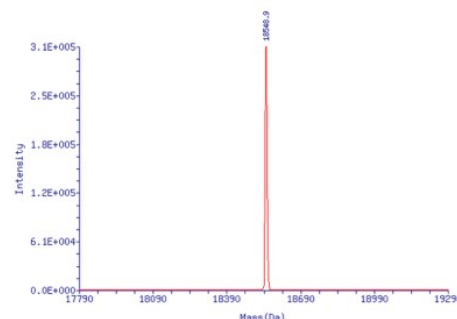
Correspondence: E-mail: weiyanni@sxu.edu.cn (Y. Wei); wangli@sxu.edu.cn (L. Wang). Tel/Fax: +863517011011

生工 Sangon Biotech		DNA合成报告单	
Order No:	111747970	Lot No:	1924826224
Primer Name:	BPA-1		
Sequence(5'to3')	Tgg TCg TTg gTC gTT CgC gTT TCT ggA TTT TTT ATT TCT ggg gTT CAg TTC TTT TTT gT		
Date:	2021-03-01	Primer Length:	59
Tm:	69.12	MW(ug/mole):	18192.76
OD's:	4.0	%GC:	40.68
ug per OD:	34.61	ug's:	138.45
nmoles per OD:	1.90	nmoles:	7.6
Purification:	ULTRAPAGE	Package:	4.0OD x 1
Modification:			
Modification MW:	0.00	Aggregate MW:	18192.76
Note: To make 100uM stock solution, add 76 ul buffer or 19 ul of buffer/OD			
注意: 本报告单中碱基序列如与您提供的订单不符合请立即与我们联系 如客户未注明OD量, 本公司将按20D合成(长度为10D) 如未注明纯化方式, 将按照HAP方法纯化(<40mer) 使用前请参看背面使用说明, 感谢您使用我们的产品			



检验结论: DNA序列正确 纯度合格 检验员: 05

生工 Sangon Biotech		DNA合成报告单	
Order No:	111747970	Lot No:	1924826225
Primer Name:	BPA-2		
Sequence(5'to3')	CCg gTg ggt CAg gTg gga TAg CgT TCC gCg TAT ggc CCA gCg CAT CAg ggg TTC gCA CCA		
Date:	2021-03-01	Primer Length:	60
Tm:	83.19	MW(ug/mole):	18550.99
OD's:	4.0	%GC:	66.67
ug per OD:	33.03	ug's:	132.11
nmoles per OD:	1.78	nmoles:	7.1
Purification:	ULTRAPAGE	Package:	4.0OD x 1
Modification:			
Modification MW:	0.00	Aggregate MW:	18550.99
Note: To make 100uM stock solution, add 71 ul buffer or 18 ul of buffer/OD			
注意: 本报告单中碱基序列如与您提供的订单不符合请立即与我们联系 如客户未注明OD量, 本公司将按20D合成(长度为10D) 如未注明纯化方式, 将按照HAP方法纯化(<40mer) 使用前请参看背面使用说明, 感谢您使用我们的产品			



检验结论: DNA序列正确 纯度合格 检验员: 05

Figure S1 The mass spectra of (left) BPA-aptamer<sub>1</sub> and (right) BPA-aptamer<sub>2</sub>.