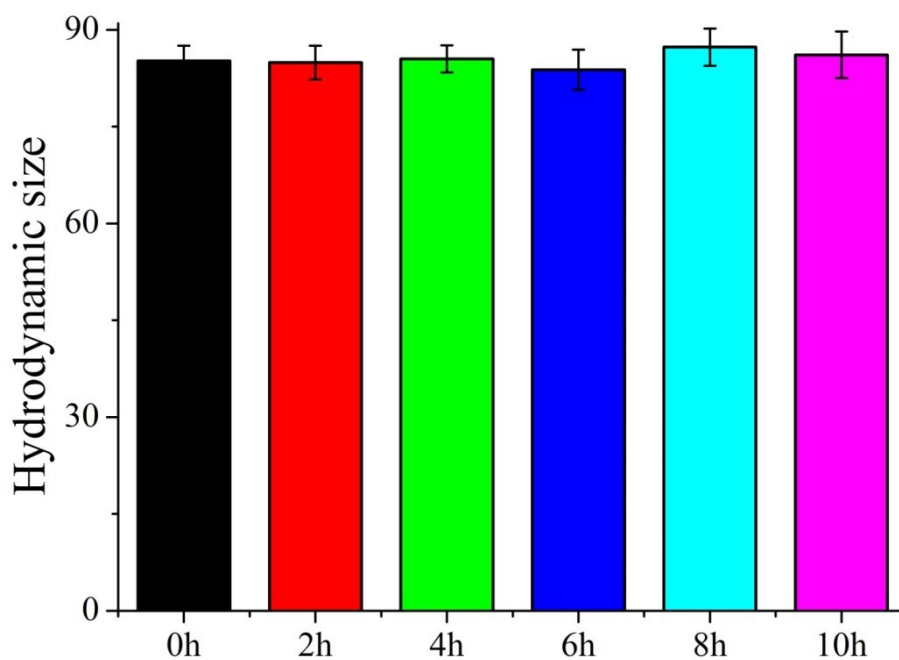


1 **Regioselective plasmonic nano-assemblies for bimodal sub-**
2 **femtomolar dopamine detection**

3 Fengli Gao, Liqiang Liu, Gang Cui, Liguang Xu, Xiaoling Wu*, Hua Kuang, Chuanlai
4 Xu*

5
6 *State Key Lab of Food Science and Technology, School of Food Science and Technology, Jiangnan University,*
7 *Wuxi, JiangSu, 214122, PRC*

8
9
10
11
12
13



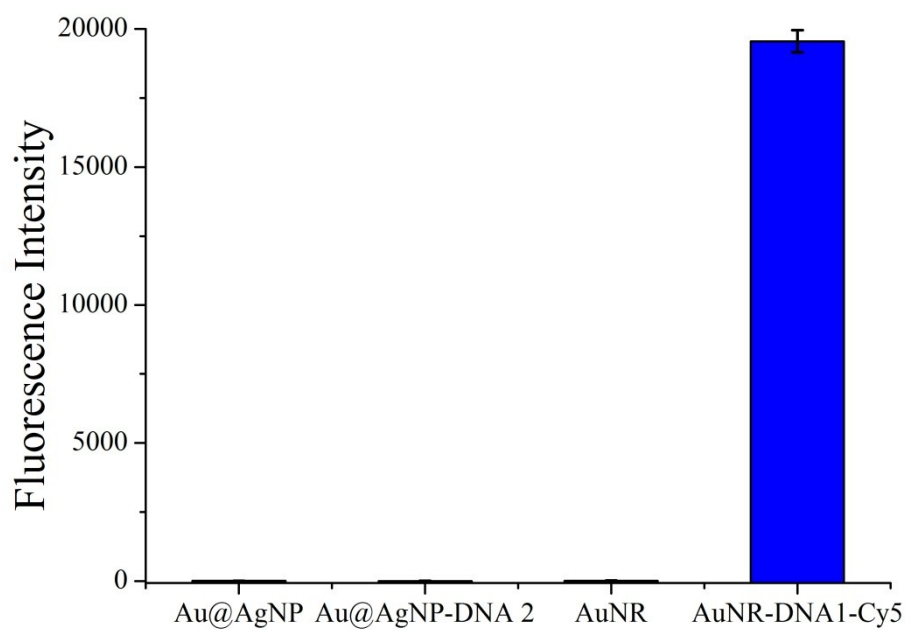
14

15 **Fig. S1** Hydrodynamic size of Au@AgNP-AuNR assemblies in the absence of DA

16 for different hours.

17

18



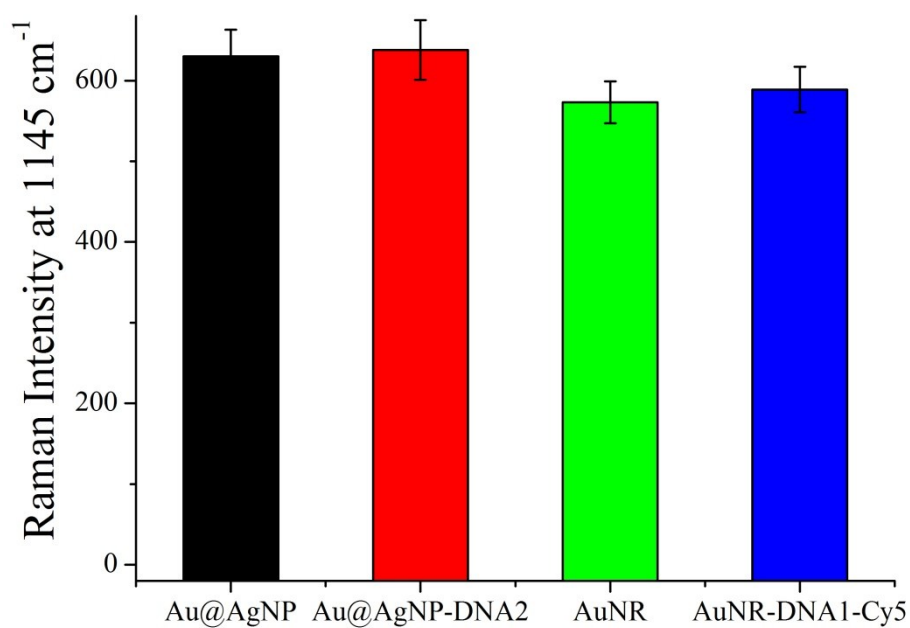
1

2 **Fig. S2** Fluorescence intensity of the monomers and other controls of Au@AgNP-

3 AuNR assemblies in the absence of DA.

4

1



2

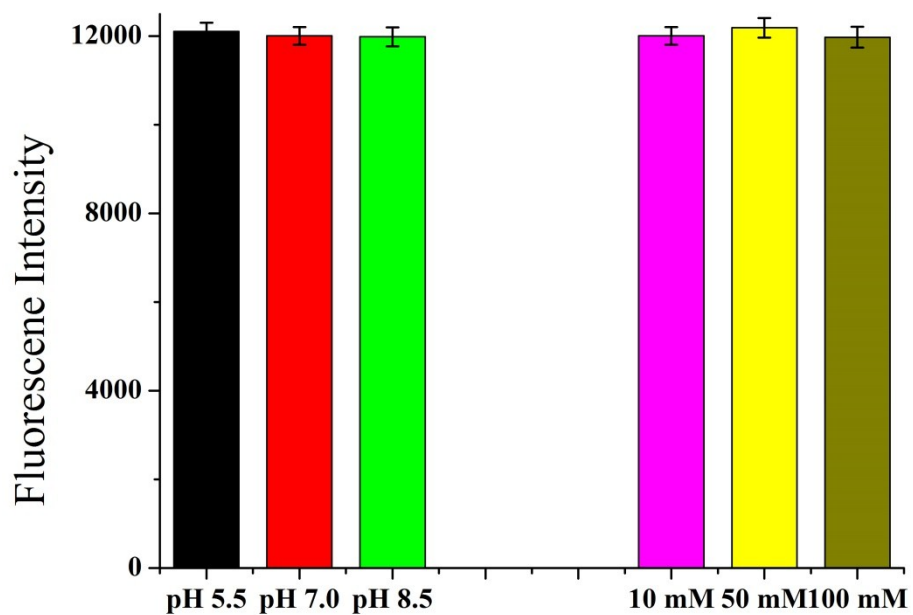
3 **Fig. S3** SERS intensity of the monomers and other controls of Au@AgNP-AuNR

4 assemblies in the absence of DA. The final concentration of 4-ATP was 10 μ M for all

5 these controls.

6

1
2

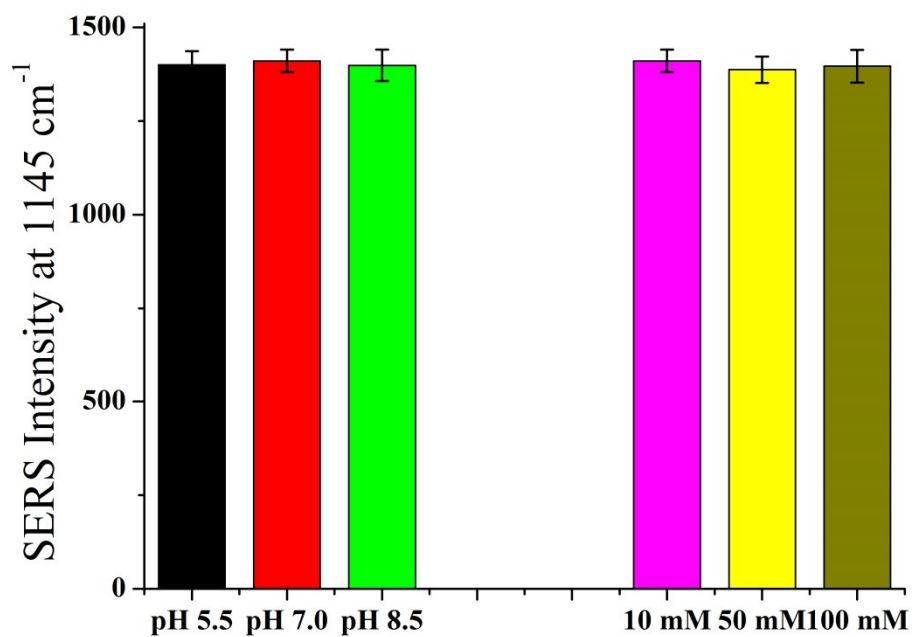


3

4 **Fig. S4** Fluorescence intensity of the Au@AgNP-AuNR assemblies at different
5 conditions of PB buffer, in the presence of 0.5 fM DA. If it was not specifically noted,
6 the pH and concentration of PB buffer was pH 7.0 and 10 mM.

7

1
2



3
4 **Fig. S5** SERS intensity of the Au@AgNP-AuNR assemblies at different conditions of
5 PB buffer, in the presence of 0.5 fM DA. If it was not specifically noted, the pH and
6 concentration of PB buffer was pH 7.0 and 10 mM.

7
8