Supporting Information for:

Selective fluorescence detection of glyphosate pesticide residue based on Fe^{3+} modulated SiQDs nanosensors

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Table S1

Comparison of various glyphosate probes.

Method/ probe	Response time (min)	Detection limit (μM)	Reference
Coumarin derivative/Cu^{2+}	5	0.11	*Anal. Methods,* 2020, 12, 520.
AuNPs/Pb^{2+}	15	2.4×10^{-3}	*Anal. Methods,* 2017, 9, 2890.
DNA-AgNCs/Cu^{2+}	1	3×10^{-2}	*Food Chem,* 2022, 367, 130617.
Rhodamine B/AuNPs	5	5.9×10^{-4}	*Anal. Chem.,* 2012, 84, 4185.
AuNPs/Cys	15	5.9	*Analyst,* 2019, 144, 2017.
Rhodamine/Cu^{2+}	2	4.1×10^{-3}	*Talanta,* 2021, 224, 121834.
CDs/Cu^{2+}	12	0.095	*RSC Adv,* 2016, 6, 85820.
lgG-CDs	120	0.047	*J. Agric. Food. Chem.,* 2016, 64, 6042.
GMP/Tb@GMP/Eu/DPA	30	41	*Food Chem,* 2020, 323, 126815.
SiQDs/Fe^{3+}	5	2.3×10^{-3}	this work