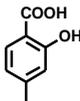
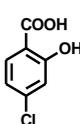
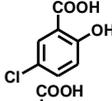
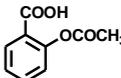
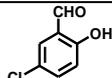


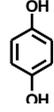
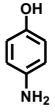
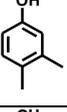
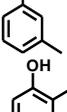
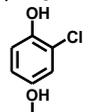
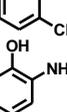
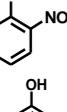
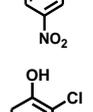
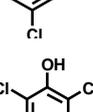
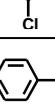
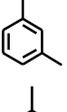
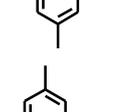
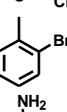
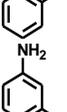
Press "Ctrl + F" to find aromatic compounds you want!

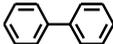
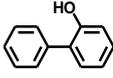
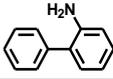
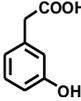
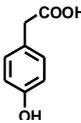
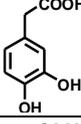
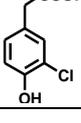
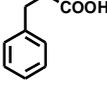
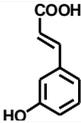
Table 1 Chemicals used in this study:

Chemical category, short name, structure formula, conc. in On-Off test and the biosensors it activates

<i>Chemical class</i>	<i>Full name</i>	<i>Short name</i>	<i>Structural formula</i>	<i>Conc. in On-Off test</i>	<i>Biosensor</i>
<i>Benzoate derivatives</i>	Benzoic acid	BzO		1000 μM	<i>XylS</i>
	2-Methyl-benzoic acid	2-MeBzO			<i>XylS, NahR</i>
	3-Methyl-benzoic acid	3-MeBzO			<i>XylS, NahR</i>
	4-Methyl-benzoic acid	4-MeBzO			<i>XylS</i>
	2-Fluoro-benzoic acid	2-FBzO			<i>XylS</i>
	4-Fluoro-benzoic acid	4-FBzO			<i>XylS, NahR</i>
	2-Chloro-benzoic acid	2-ClBzO			<i>XylS</i>
	3-Chloro-benzoic acid	3-ClBzO			<i>XylS, NahR</i>
	4-Chloro-benzoic acid	4-ClBzO			<i>XylS, NahR</i>
	2-Bromo-benzoic acid	2-BrBzO			<i>XylS</i>
	4-Bromo-benzoic acid	4-BrBzO			<i>XylS</i>
	3-Iodo-benzoic acid	3-IBzO			<i>XylS, NahR</i>
	3-Methoxy-benzoic acid	3-MeOBzO			<i>XylS, NahR</i>
	4-Methoxy-benzoic acid	4-MeOBzO			<i>XylS</i>
	4-Hydroxy-benzoic acid	4-HBzO			<i>No</i>
<i>Salicylate derivatives</i>	2-Hydroxy-benzoic acid (Salicylic acid)	SaA		1000 μM	<i>XylS, NahR</i>
	2-Amino-benzoic acid	2-ABzO			<i>NahR</i>

	2-Hydroxy-3-methyl-benzoic acid	3-MeSaA		<i>XylS, NahR</i>
	2-Hydroxy-4-methyl-benzoic acid	4-MeSaA		<i>XylS, NahR</i>
	4-Chloro-2-hydroxy-benzoic acid	4-ClSaA		<i>XylS, NahR</i>
	5-Chloro-2-hydroxy-benzoic acid	5-ClSaA		<i>XylS, NahR</i>
	2,3-Dihydroxy-benzoic acid	3-HSaA		<i>NahR</i>
	2,4-Dihydroxy-benzoic acid	4-HSaA		<i>No</i>
	Aspirin	AsPR		<i>XylS, NahR</i>
<i>Benzaldehyde derivatives</i>	Benzaldehyde	BAD		<i>XylS</i>
	3-Methyl-benzaldehyde	3-MeBAD		<i>XylS</i>
	2-Fluoro-benzaldehyde	2-FBAD		<i>No</i>
	2-Chloro-benzaldehyde	2-CIBAD		<i>No</i>
	3-Chloro-benzaldehyde	3-CIBAD		<i>XylS</i>
	4-Chloro-benzaldehyde	4-CIBAD		<i>No</i>
<i>Salicylaldehyde derivatives</i>	2-Hydroxy-benzaldehyde	SaD		1000 μ M <i>NahF</i>
	5-Chloro-2-hydroxy-benzaldehyde	5-ClSaD		100 μ M <i>NahR, NahF</i>
<i>Benzyl alcohol</i>	Phenyl-methanol	BAL		<i>No</i>
	o-Tolyl-methanol	2-MeBAL		1000 μ M <i>No</i>
<i>Phenols</i>	Phenol	PhI		<i>DmpR</i>
	2-Methyl-phenol	2-MePhI		<i>DmpR</i>
	4-Methyl-phenol	4-MePhI		1000 μ M <i>No</i>
	Benzene-1,2-diol (Catechol)	Cat		<i>DmpR</i>

	Benzene-1,4-diol	HDQ		No
	3-Amino-phenol	3-AphI		No
	4-Amino-phenol	4-APhI		No
	3,4-Dimethyl-phenol	3,4-DMePhI		No
	3-Methyl-phenol	3-MePhI		No
	2,5-Dimethyl-phenol	2,5-DMePhI		No
	2-Chloro-phenol	2-ClPhI		DmpR
	3-Chloro-phenol	3-ClPhI		DmpR
	2-Amino-phenol	2-APhI		No
	2-Nitro-phenol	2-NtPhI		No
	4-Nitro-phenol	4-NtPhI		DmpR
	2,4-Dichloro-phenol	2,4-DCIPhI		No
	2,4,6-Trichloro-phenol	2,4,6-TCIPhI		DmpR, NahR
Toluene derivatives	Toluene	TOL		XylR
	m-Xylene	m-Xyl		XylR
	p-Xylene	p-Xyl		No
	1-Chloro-3-methyl-benzene	3-ClTOL		1000 μ M XylS, XylR
	1-Bromo-2-methyl-benzene	2-BrTOL		No
	o-Tolylamine	2-ATOL		No
	m-Tolylamine	3-ATOL		No

	1-Methyl-2-nitro-benzene	2-NtTOL			No
<i>Biphenyl derivatives</i>	Biphenyl	BP		1000 μM	No
	Biphenyl-2-ol	2-HBP		100 μM	HbpR
	Biphenyl-2-ylamine	2-ABP			HbpR
<i>Phenylacetic-acid derivatives</i>	Phenyl-acetic acid	PAA			No
	(3-Hydroxy-phenyl)-acetic acid	3-HPAA		1000 μM	No
	(4-Hydroxy-phenyl)-acetic acid	4-HPAA			No
	(3,4-Dihydroxy-phenyl)-acetic acid	3,4-DHPAA			No
	(3-Chloro-4-hydroxy-phenyl)-acetic acid	3-Cl-4-HPAA		100 μM	No
<i>Phenylpropionic acid derivatives</i>	3-Phenyl-propionic acid	PPA		1000 μM	HcaR
<i>Cinnamic acid derivatives</i>	3-(3-Hydroxy-phenyl)-acrylic acid	3-HCnA		1000 μM	No
<i>Benzene derivatives</i>	Styrene	Sty			No
	Chloro-benzene	ClBz		1000 μM	No
	Bromo-benzene	BrBz			No
	Phenylamine (Aniline)	ABz			No
	Nitro-benzene	NtBz			No
	Benzene-1,2-diamine	o-DABz		100 μM	No
	benzene	Bz		10 μM	No
<i>Naphthalene derivatives</i>	Naphthalene	NaP		1000 μM	No
	1-Methyl-naphthalene	1-MeNaP			No