

testResponses

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Predicting olfactory receptor neuron responses from odorant structure – additional file 4

Index	substance name	ab1D		ab2A		ab2B		ab3A		ab3B		ab5B		ab6A								
		t	p	t	p	t	p	t	p	t	p	t	p	t	p							
23	butanoic acid	2	---	0	3	---	0	0	---	0	<u>19</u>	++	1	11	---	0	1	---	0	3	o	1
37	hexanol	5	---	0	6	---	0	<u>53</u>	++	1	(21)		1	<u>95</u>	++	1	6	---	0	<u>168</u>	++	1
14	3-octanol	0	---	0	1	---	0	2	---	0	<u>40</u>	++	1	<u>124</u>	++	1	13	o	1	<u>222</u>	++	1
22	benzaldehyde	<u>32</u>	++	1	3	---	0	2	---	0	8	---	0	14	---	0	0	---	0	11	---	0
17	4-methylphenol	5	o	1	1	---	0	-2	---	0	9	---	0	10	---	0	2	---	0	9	---	0
31	ethyl acetate	0	---	0	<u>175</u>	++	1	4	---	0	<u>38</u>	++	1	10	---	0	11	o	1	9	o	1
44	pentyl acetate	2	---	0	18	---	0	0	---	0	<u>153</u>	++	1	<u>64</u>	++	1	<u>180</u>	++	1	<u>166</u>	++	1
27	cyclohexanone	3	---	0	2	---	0	-1	---	0	<u>33</u>	u	0	(20)		0	2	---	0	12	---	0
10	2-heptanone	3	---	0	10	---	0	-2	---	0	<u>58</u>	++	1	<u>207</u>	++	1	<u>62</u>	++	1	<u>126</u>	++	1
35	geranyl acetate	2	---	0	(21)		0	-1	---	0	(19)		0	15	---	0	0	---	0	<u>65</u>	u	0
48	ethanoic acid	2	---	0	3	---	0	-2	---	0	9	o	1	16	---	0	1	---	0	12	o	1
49	hexanoic acid	0	---	0	3	---	0	1	o	1	<u>33</u>	++	1	11	o	1	3	o	1	4	o	1
50	4-octanol	1	---	0	0	---	0	4	---	0	<u>53</u>	++	1	8	o	1	(18)		0	<u>82</u>	++	1
51	octanol	7	---	0	6	---	0	<u>58</u>	u	0	(17)		1	18	o	1	6	---	0	<u>59</u>	u	0
52	acetaldehyde	2	---	0	1	o	1	0	---	0	9	---	0	10	---	0	1	---	0	0	---	0
53	octanal	3	---	0	2	---	0	2	---	0	9	---	0	(24)		1	4	---	0	(26)		0
54	4-methoxybenzaldehyde	(25)		1	4	---	0	1	---	0	6	---	0	18	---	0	1	---	0	(27)		0
55	2-phenylethanol	1	---	0	-3	---	0	4	---	0	(14)		0	12	---	0	2	---	0	11	---	0
56	salicylaldehyde	<u>46</u>	++	1	0	---	0	-1	---	0	7	---	0	16	---	0	1	---	0	17	---	0
57	propyl acetate	0	---	0	35	++	1	4	o	1	<u>112</u>	++	1	(29)		0	<u>40</u>	++	1	(27)		0
58	butyl acetate	4	o	1	17	---	0	-4	---	0	<u>135</u>		1	<u>68</u>	u	0	<u>116</u>	++	1	<u>101</u>	++	1
59	hexyl acetate	-1	---	0	9	---	0	-1	---	0	<u>72</u>	++	1	(33)		1	<u>61</u>	++	1	<u>106</u>	++	1
60	ethyl 3-hydroxyhexanoate*	1	---	0	5	---	0	9	o	1	<u>57</u>	++	1	17	---	0	<u>47</u>	u	0	(35)		0
61	ethyl hexanoate*	2	---	0	6	---	0	-1	---	0	<u>217</u>	++	1	3	o	1	1	---	0	3	---	0
62	butyl hexanoate	1	---	0	2	---	0	1	---	0	<u>63</u>	++	1	8	o	1	3	---	0	18	---	0
63	ethyl 3-hydroxybutyrate*	1	---	0	10	---	0	<u>204</u>		1	(14)		1	18	---	0	2	o	1	11	---	0
64	cycloheptanone	2	---	0	-2	---	0	-1	---	0	(27)		0	(20)		0	3	---	0	13	---	0
65	2,6-dimethyl-4-heptanone	2	---	0	1	---	0	<u>40</u>	u	0	(23)		1	14	---	0	4	---	0	12	---	1
66	2-octanone	1	---	0	3	---	0	3	---	0	<u>37</u>	++	1	<u>153</u>	++	1	<u>34</u>	++	1	<u>160</u>	++	1

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67	gamma-hexalactone	4	---	0	6	---	0	-2	o	1	<u>46</u>	++	1	9	---	0	1	---	0	19	---	0
68	(S)-(+)-carvone	2	---	0	-5	---	0	-3	---	0	(11)		0	19	---	0	3	---	0	(29)	---	0

* These odorants were tested at a 100 times lower concentration