

Supplementary Table 1

compound	Transporter	mean uptake \pm SEM (fmol/oocyte/60 min)	number of oocytes	significantly different than H ₂ O (p<0.01)?
D-ribose	PfENT4	77 \pm 6	24	no
	PvENT4	85 \pm 7	24	no
	H ₂ O	73 \pm 5	24	
adenine	PfENT4	981 \pm 61	22	yes
	PvENT4	1914 \pm 79	22	yes
	H ₂ O	436 \pm 19	22	
adenosine	PfENT4	164 \pm 13	22	yes
	PvENT4	610 \pm 34	22	yes
	H ₂ O	53 \pm 1	22	
2'-deoxyadenosine	PfENT4	903 \pm 55	38	yes
	PvENT4	1212 \pm 73	38	yes
	H ₂ O	126 \pm 23	38	
adenosine monophosphate (AMP) (with 5' nucleotidase inhibitor)	PfENT4	21 \pm 5	9	no
	PvENT4	31 \pm 3	9	no
	H ₂ O	24 \pm 5	9	
guanine	PfENT4	373 \pm 28	18	no
	PvENT4	588 \pm 57	18	yes
	H ₂ O	290 \pm 29	18	
guanosine	PfENT4	136 \pm 28	12	no
	PvENT4	253 \pm 44	12	yes
	H ₂ O	64 \pm 7	12	
2'-deoxyguanosine	PfENT4	406 \pm 64	18	yes
	PvENT4	572 \pm 72	18	yes
	H ₂ O	181 \pm 40	18	
hypoxanthine	PfENT4	455 \pm 37	18	no
	PvENT4	499 \pm 27	18	no
	H ₂ O	444 \pm 38	18	
inosine	PfENT4	136 \pm 11	18	yes
	PvENT4	269 \pm 17	18	yes
	H ₂ O	84 \pm 5	18	
xanthine	PfENT4	235 \pm 17	14	yes
	PvENT4	196 \pm 15	14	no
	H ₂ O	152 \pm 12	14	
cytosine	PfENT4	84 \pm 19	12	no
	PvENT4	107 \pm 25	12	no
	H ₂ O	63 \pm 24	11	
cytidine	PfENT4	44 \pm 4	18	no
	PvENT4	73 \pm 5	18	yes

	H ₂ O	39 ± 5	17	
2'-deoxycytidine	PfENT4	84 ± 5	14	no
	PvENT4	126 ± 10	14	yes
	H ₂ O	63 ± 7	14	
thymine	PfENT4	557 ± 32	18	no
	PvENT4	444 ± 18	18	no
	H ₂ O	532 ± 31	17	
thymidine	PfENT4	199 ± 25	12	yes
	PvENT4	177 ± 20	12	yes
	H ₂ O	46 ± 5	11	
uracil	PfENT4	393 ± 22	24	no
	PvENT4	302 ± 14	24	yes
	H ₂ O	384 ± 30	24	
uridine	PfENT4	97 ± 6	12	no
	PvENT4	133 ± 12	12	yes
	H ₂ O	86 ± 7	12	