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Statistical Summary Document

Manuscript Title: Functional characterization of Atlantic salmon (*Salmo salar* L.) PepT2 transporters

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Animal model used, if applicable: *Xenopus laevis* oocytes, *Salmon salar*

Underlying hypothesis: This investigation tests the hypothesis that both salmon transporter (PepT2a and PepT2b) are pH-dependent. Moreover, it tests if one of the two proteins characterized is more pH-dependent than the other. With the comparison, we have verified if in PepT2a the increasing of the pH has more impact on the reduction of the transport associated current respect to PepT2b.

Definitions of ‘n’: “n” is the number of oocytes; N is the number of the batched

Statistical summary table:

Experimental question number	Finding/ conclusion	Experimental location/variable	Mean value	Units	Standard Deviation	n/N	Exact P value	Figure/table in which data are presented	Data comparisons	Statistical test	Any other experimental factors	Comments
Is PepT2a inward current magnitude different between pH 5.5 and pH 6.5?	The inward currents at pH 5.5 and at pH 6.5 are different	pH 5.5	-685.04829	nA	179.34367	18/4	0.0003213770	Fig 5 and Fig. 6	pH 5.5 vs pH 6.5	Mann Whitney test	Vh= -120 mV	At level 0.05, the two distributions are significantly different
		pH 6.5	-414.20695	nA	168.78065	15/3					Vh= -120 mV	
Is PepT2a inward current magnitude different between pH 5.5 and pH 7.6?	The inward currents at pH 5.5 and at pH 7.6 are different	pH 5.5	-685.04829	nA	179.34367	18/4	< 0.0001	Fig 5 and Fig. 6	pH 5.5 vs pH 7.6	Mann Whitney test	Vh= -120 mV	At level 0.05, the two distributions are significantly different
		pH 7.6	-315.40847	nA	122.99108	18/4					Vh= -120 mV	
Is PepT2a inward current magnitude different between pH 5.5 and pH 8.5?	The inward currents at pH 5.5 and at pH 8.5 are different	pH 5.5	-685.04829	nA	179.34367	18/4	0.0009104360	Fig 5 and Fig. 6	pH 5.5 vs pH 8.5	Mann Whitney test	Vh= -120 mV	At level 0.05, the two distributions are significantly different

		pH 8.5	-115.04935	nA	30.802 4	5/1					Vh= - 120 mV	
Is PepT2a inward current magnitude different between pH 6.5 and pH 7.6?	The inward currents at pH 6.5 and at pH 7.6 are different	pH 6.5	-414.20695	nA	168.78 065	15/3	0.0611 800000	Fig 5 and Fig. 6	pH 6.5 vs pH 7.6	Two- sample t test	Vh= - 120 mV	At level 0.05, mean 6.5- mean 7.5 is NOT significantly different
		pH 7.6	-315.40847	nA	122.99 108	18/4					Vh= - 120 mV	
Is PepT2a inward current magnitude different between pH 6.5 and pH 8.5?	The inward currents at pH 6.5 and at pH 8.5 are different	pH 6.5	-414.20695	nA	168.78 065	15/3	< 0.0001	Fig 5 and Fig. 6	pH 6.5 vs pH 8.5	Two- sample t test	Vh= - 120 mV	At level 0.05, mean 6.5- mean 8.5 is significantly different
		pH 8.5	-115.04935	nA	30.802 4	5/1					Vh= - 120 mV	
Is PepT2a inward current magnitude different between pH 7.6 and pH 8.5?	The inward currents at pH 7.6 and at pH 8.5 are different	pH 7.6	-315.40847	nA	122.99 108	18/4	< 0.0001	Fig 5 and Fig. 6	pH 7.5 vs pH 8.5	Two- sample t test	Vh= - 120 mV	At level 0.05, mean 7.6- mean 8.5 is significantly different
		pH 8.5	-115.04935	nA	30.802 4	5/1					Vh= - 120 mV	
Is PepT2a inward current magnitude different between pH 5.5 and pH 6.5?	The inward currents at pH 5.5 and at pH 6.5 are different	pH 5.5	-185.55464	nA	55.454 56	18/4	< 0.0001	Fig 5 and Fig. 6	pH 5.5 vs pH 6.5	Two- sample t test	Vh= -60 mV	At level 0.05, mean 5.5- mean 6.5 is significantly different
		pH 6.5	-57.54316	nA	34.957 17	15/3					Vh= -60 mV	
Is PepT2a inward current magnitude different between pH 5.5 and pH 7.6?	The inward currents at pH 5.5 and at pH 7.6 are different	pH 5.5	-185.55464	nA	55.454 56	18/4	< 0.0001	Fig 5 and Fig. 6	pH 5.5 vs pH 7.6	Two- sample t test	Vh= -60 mV	At level 0.05, mean 5.5- mean 7.6 is significantly different
		pH 7.6	-31.89124	nA	16.765 53	18/4					Vh= -60 mV	
Is PepT2a inward current magnitude different between pH 5.5 and pH 8.5?	The inward currents at pH 5.5 and at pH 8.5 are different	pH 5.5	-185.55464	nA	55.454 56	18/4	< 0.0001	Fig 5 and Fig. 6	pH 6.5 vs pH 8.5	Two- sample t test	Vh= -60 mV	At level 0.05, mean 5.5- mean 8.5 is significantly different
		pH 8.5	-8.61457	nA	2.5453 8	5/1					Vh= -60 mV	
Is PepT2a inward current magnitude different between pH 6.5 and pH 7.6?	The inward currents at pH 6.5 and at pH 7.6 are different	pH 6.5	-57.54316	nA	34.957 17	15/3	0.0173 100000	Fig 5 and Fig. 6	pH 6.5 vs pH 7.6	Two- sample t test	Vh= -60 mV	At level 0.05, mean 6.5- mean 7.6 is significantly different
		pH 7.6	-31.89124	nA	16.765 53	18/4					Vh= -60 mV	

Is PepT2a inward current magnitude different between pH 6.5 and pH 8.5?	The inward currents at pH 6.5 and at pH 8.5 are different	pH 6.5	-57.54316	nA	34.957 17	15/3	< 0.0001	Fig 5 and Fig. 6	pH 6.5 vs pH 8.5	Two- sample t test	Vh= -60 mV	At level 0.05, mean 6.5- mean 8.5 is significantly different
		pH 8.5	-8.61457	nA	2.5453 8	5/1					Vh= -60 mV	
Is PepT2a inward current magnitude different between pH 7.6 and pH 8.5?	The inward currents at pH 7.6 and at pH 8.5 are different	pH 7.6	-31.89124	nA	16.765 53	18/4	< 0.0001	Fig 5 and Fig. 6	pH 7.6 vs pH 8.5	Two- sample t test	Vh= -60 mV	At level 0.05, mean 7.6- mean 8.5 is significantly different
		pH 8.5	-8.61457	nA	2.5453 8	5/1					Vh= -60 mV	
Is PepT2b inward current magnitude different between pH 5.5 and pH 6.5?	The inward currents at pH 5.5 and at pH 6.5 are different	pH 5.5	-296.29802	nA	97.761 59	7/3	0.0409 300000	Fig 5 and Fig. 6	pH 5.5 vs pH 6.5	Two- sample t test	Vh= - 120 mV	at level 0.05, mean 5.5- mean 6.5 is significantly different
		pH 6.5	-218.75509	nA	74.831 24	19/5					Vh= - 120 mV	
Is PepT2b inward current magnitude different between pH 5.5 and pH 7.6?	The inward currents at pH 5.5 and at pH 7.6 are different	pH 5.5	-296.29802	nA	97.761 59	7/3	0.0012 100000	Fig 5 and Fig. 6	pH 5.5 vs pH 7.6	Mann Whitne y test	Vh= - 120 mV	at level 0.05, the two distributions are significantly different
		pH 7.6	-140.31496	nA	62.701 83	24/5					Vh= - 120 mV	
Is PepT2b inward current magnitude different between pH 5.5 and pH 8.5?	The inward currents at pH 5.5 and at pH 8.5 are different	pH 5.5	-296.29802	nA	97.761 59	7/3	0.0034 000000	Fig 5 and Fig. 6	pH 5.5 vs pH 8.5	Two- sample t test	Vh= - 120 mV	at level 0.05, mean 5.5- mean 8.5 is significantly different
		pH 8.5	-93.0453	nA	34.660 56	4/2					Vh= - 120 mV	
Is PepT2b inward current magnitude different between pH 6.5 and pH 7.6?	The inward currents at pH 6.5 and at pH 7.6 are different	pH 6.5	-218.75509	nA	74.831 24	19/5	0.0003 399640	Fig 5 and Fig. 6	pH 6.5 vs pH 7.6	Mann Whitne y test	Vh= - 120 mV	at level 0.05, the two distributions are significantly different
		pH 7.6	-140.31496	nA	62.701 83	24/5					Vh= - 120 mV	
Is PepT2b inward current magnitude different between pH 6.5 and pH 8.5?	The inward currents at pH 6.5 and at pH 8.5 are different	pH 6.5	-218.75509	nA	74.831 24	19/5	0.0039 100000	Fig 5 and Fig. 6	pH 6.5 vs pH 8.5	Two- sample t test	Vh= - 120 mV	at level 0.05, mean 6.5- mean 8.5 is significantly different from 0
		pH 8.5	-93.0453	nA	34.660 56	4/2					Vh= - 120 mV	
Is PepT2b inward current magnitude different between pH 7.6 and pH 8.5?	The inward currents at pH 7.6 and at pH 8.5 are not different	pH 7.6	-140.31496	nA	62.701 83	24/5	0.1396 200000	Fig 5 and Fig. 6	pH 7.6 vs pH 8.5	Mann Whitne y test	Vh= - 120 mV	at level 0.05, the two distributions are NOT

		pH 8.5	-93.0453	nA	34.660 56	4/2					Vh= - 120 mV	significantly different
Is PepT2b inward current magnitude different between pH 5.5 and pH 6.5?	The inward currents at pH 5.5 and at pH 6.5 are different	pH 5.5	-55.18601	nA	26.856 62	7/3	0.0248 900000	Fig 5 and Fig. 6	pH 5.5 vs pH 6.5	Two- sample t test	Vh= -60 mV	at level 0.05, mean 5.5- mean 6.5 is significantly different
		pH 6.5	-25.16157	nA	12.611 44	19/5					Vh= -60 mV	
Is PepT2b inward current magnitude different between pH 5.5 and pH 7.6?	The inward currents at pH 5.5 and at pH 7.6 are different	pH 5.5	-55.18601	nA	26.856 62	7/3	0.0002 082630	Fig 5 and Fig. 6	pH 5.5 vs pH 7.6	Mann Whitne y test	Vh= -60 mV	at level 0.05, the two distributions are significantly different
		pH 7.6	-10.21692	nA	6.3261 4	24/5					Vh= -60 mV	
Is PepT2b inward current magnitude different between pH 5.5 and pH 8.5?	The inward currents at pH 5.5 and at pH 8.5 are different	pH 5.5	-55.18601	nA	26.856 62	7/3	0.0059 400000	Fig 5 and Fig. 6	pH 6.5 vs pH 8.5	Two- sample t test	Vh= -60 mV	at level 0.05, mean 5.5- mean 8.5 is significantly different from 0
		pH 8.5	-5.85302	nA	2.9229	4/2					Vh= -60 mV	
Is PepT2b inward current magnitude different between pH 6.5 and pH 7.6?	The inward currents at pH 6.5 and at pH 7.6 are different	pH 6.5	-25.16157	nA	12.611 44	19/5	< 0.0001	Fig 5 and Fig. 6	pH 6.5 vs pH 7.6	Mann Whitne y test	Vh= -60 mV	at level 0.05, the two distributions are significantly different
		pH 7.6	-10.21692	nA	6.3261 4	24/5					Vh= -60 mV	
Is PepT2b inward current magnitude different between pH 6.5 and pH 8.5?	The inward currents at pH 6.5 and at pH 8.5 are different	pH 6.5	-25.16157	nA	12.611 44	19/5	< 0.0001	Fig 5 and Fig. 6	pH 6.5 vs pH 8.5	Two- sample t test	Vh= -60 mV	at level 0.05, mean 6.5- mean 8.5 is significantly different from 0
		pH 8.5	-5.85302	nA	2.9229	4/2					Vh= -60 mV	
Is PepT2b inward current magnitude different between pH 7.6 and pH 8.5?	The inward currents at pH 7.6 and at pH 8.5 are not different	pH 7.6	-10.21692	nA	6.3261 4	24/5	0.1580 800000	Fig 5 and Fig. 6	pH 7.6 vs pH 8.5	Mann Whitne y test	Vh= -60 mV	at level 0.05, the two distributions are NOT significantly different
		pH 8.5	-5.85302	nA	2.9229	4/2					Vh= -60 mV	
Is the inward current magnitude at pH 5.5 different between PepT2a and PepT2b?	PepT2a and PepT2b inward currents at pH 5.5 are different	PepT2a pH 5.5	-685.04829	nA	179.34 367	18/4	0.0001 55	Fig 5 and Fig. 6	pH 5.5 vs pH 5.5	Mann Whitne y test	Vh= - 120 mV	at level 0.05, the two distributions are significantly different
		PepT2b pH 5.5	-296.29802	nA	97.761 59	7/3					Vh= - 120 mV	

Is the inward current magnitude at pH 6.5 different between PepT2a and PepT2b?	PepT2a and PepT2b inward currents at pH 6.5 are different	PepT2a pH 6.5	-414.20695	nA	168.78065	15/3	0.000551788	Fig 5 and Fig. 6	pH 6.5 vs pH 6.5	Two-sample t test	Vh= -120 mV	at level 0.05, mean PepT2a 6.5- mean PepT2b 6.5 is significantly different from 0
		PepT2b pH 6.5	-218.75509	nA	74.83124	19/5					Vh= -120 mV	
Is the inward current magnitude at pH 7.6 different between PepT2a and PepT2b?	PepT2a and PepT2b inward currents at pH 7.6 are different	PepT2a pH 7.6	-315.40847	nA	122.99108	18/4	< 0.0001	Fig 5 and Fig. 6	pH 7.6 vs pH 7.6	Mann Whitney test	Vh= -120 mV	at level 0.05, the two distributions are significantly different
		PepT2b pH 7.6	-140.31496	nA	62.70183	24/5					Vh= -120 mV	
Is the inward current magnitude at pH 8.5 different between PepT2a and PepT2b?	PepT2a and PepT2b inward currents at pH 8.5 are NOT significantly different	PepT2a pH 8.5	-115.04935	nA	30.8024	5/1	0.34661	Fig 5 and Fig. 6	pH 8.5 vs pH 8.5	Two-sample t test	Vh= -120 mV	at level 0.05, mean PepT2a 8.5- mean PepT2b 8.5 is NOT significantly different from 0
		PepT2b pH 8.5	-93.0453	nA	34.66056	4/2					Vh= -120 mV	
Is the inward current magnitude at pH 5.5 different between PepT2a and PepT2b?	PepT2a and PepT2b inward currents at pH 5.5 are different	PepT2a pH 5.5	-185.55464	nA	55.45456	18/4	< 0.0001	Fig 5 and Fig. 6	pH 5.5 vs pH 5.5	Two-sample t test	Vh= -60 mV	at level 0.05, mean PepT2a 5.5- mean PepT2b 5.5 is significantly different from 0
		PepT2b pH 5.5	-55.18601	nA	26.85662	7/3					Vh= -60 mV	
Is the inward current magnitude at pH 6.5 different between PepT2a and PepT2b?	PepT2a and PepT2b inward currents at pH 6.5 are different	PepT2a pH 6.5	-57.54316	nA	34.95717	15/3	0.00332	Fig 5 and Fig. 6	pH 6.5 vs pH 6.5	Two-sample t test	Vh= -60 mV	at level 0.05, mean PepT2a 6.5- mean PepT2b 6.5 is significantly different from 0
		PepT2b pH 6.5	-25.16157	nA	12.61144	19/5					Vh= -60 mV	
Is the inward current magnitude at pH 7.6 different between PepT2a and PepT2b?	PepT2a and PepT2b inward currents at pH 7.6 are different	PepT2a pH 7.6	-31.89124	nA	16.76553	18/4	< 0.0001	Fig 5 and Fig. 6	pH 7.6 vs pH 7.6	Mann Whitney test	Vh= -60 mV	at level 0.05, the two distributions are significantly different
		PepT2b pH 7.6	-10.21692	nA	6.32614	24/5					Vh= -60 mV	
Is the inward current magnitude at pH 8.5 different between PepT2a and PepT2b?	PepT2a and PepT2b inward currents at pH 8.5 are NOT significantly different	PepT2a pH 8.5	-8.61457	nA	2.54538	5/1	0.17304	Fig 5 and Fig. 6	pH 8.5 vs pH 8.5	Two-sample t test	Vh= -60 mV	at level 0.05, mean PepT2a 8.5- mean PepT2b 8.5 is NOT significantly different from 0
		PepT2b pH 8.5	-5.85302	nA	2.9229	4/2					Vh= -60 mV	

Data of the point of Figure 7- Data used for logistic fitting (Non linear curve fitting – Logistic Fit- By Origin)

All the data are also available [here](#)

Dose response experiments- Questions: what is the concentration value that elicited half of the maximal current- question number	Finding/ conclusion See the logistic Values below	Concentration Voltages at different pH	Mean value	Standard Deviation	n	Exact P value	Figure/table in which data are presented	Units	Data comparisons	Logistic fitting - Non Linear curve fit at each Voltages seebelow	Comments
		Voltage				NA	figure 7	nA	NA	Non Linear curve fit	
		0.003 mM									
PepT2a pH 5.5		-140	-19,6698	24,21009	13	NA	figure 7	nA	NA		
		-120	-14,06236	13,16814	13	NA	figure 7	nA	NA		
		-100	-9,73966	7,07265	13	NA	figure 7	nA	NA		
		-80	-5,91677	3,58982	13	NA	figure 7	nA	NA		
		-60	-3,06073	2,24092	13	NA	figure 7	nA	NA		
		-40	-1,18392	1,58449	13	NA	figure 7	nA	NA		
		-20	0,30542	0,45053	13	NA	figure 7	nA	NA		
		0	0,68732	0,52824	13	NA	figure 7	nA	NA		
		20	1,1542	1,1903	13	NA	figure 7	nA	NA		
		0.010 mM				NA	figure 7	nA	NA		
		-140	-45,40925	18,44605	13	NA	figure 7	nA	NA		
		-120	-45,14058	18,76268	13	NA	figure 7	nA	NA		
		-100	-41,37996	18,79625	13	NA	figure 7	nA	NA		
		-80	-39,02208	17,64049	13	NA	figure 7	nA	NA		
		-60	-35,53855	16,24452	13	NA	figure 7	nA	NA		
		-40	-29,76078	14,24817	13	NA	figure 7	nA	NA		
		-20	-21,60138	11,74227	13	NA	figure 7	nA	NA		

		0	-12,36149	8,79315	13	NA	figure 7	nA	NA		
		20	-4,34442	6,63662	13	NA	figure 7	nA	NA		
		0.030 mM				NA	figure 7	nA	NA		
		-140	-141,75698	54,98042	13	NA	figure 7	nA	NA		
		-120	-143,08507	51,35437	13	NA	figure 7	nA	NA		
		-100	-137,82525	49,80123	13	NA	figure 7	nA	NA		
		-80	-127,58021	46,56792	13	NA	figure 7	nA	NA		
		-60	-109,7779	41,406	13	NA	figure 7	nA	NA		
		-40	-84,59453	33,66156	13	NA	figure 7	nA	NA		
		-20	-55,65365	23,67906	13	NA	figure 7	nA	NA		
		0	-30,0572	13,1024	13	NA	figure 7	nA	NA		
		20	-14,74139	5,51107	13	NA	figure 7	nA	NA		
		0.1 mM				NA	figure 7	nA	NA		
		-140	-449,02301	152,7849	13	NA	figure 7	nA	NA		
		-120	-410,95239	136,2264	13	NA	figure 7	nA	NA		
		-100	-353,51106	120,4342	13	NA	figure 7	nA	NA		
		-80	-277,95751	99,12299	13	NA	figure 7	nA	NA		
		-60	-194,0035	73,92585	13	NA	figure 7	nA	NA		
		-40	-116,89401	47,48605	13	NA	figure 7	nA	NA		
		-20	-59,69508	25,49534	13	NA	figure 7	nA	NA		
		0	-26,47275	11,01342	13	NA	figure 7	nA	NA		
		20	-11,25419	4,10595	13	NA	figure 7	nA	NA		
		0.3 mM				NA	figure 7	nA	NA		
		-140	-721,17194	286,4182	12	NA	figure 7	nA	NA		
		-120	-595,79314	235,888	12	NA	figure 7	nA	NA		
		-100	-453,00699	186,4632	12	NA	figure 7	nA	NA		
		-80	-315,29247	133,5915	12	NA	figure 7	nA	NA		
		-60	-195,14587	86,10958	12	NA	figure 7	nA	NA		
		-40	-105,41385	48,81812	12	NA	figure 7	nA	NA		
		-20	-49,75481	23,75893	12	NA	figure 7	nA	NA		
		0	-21,76462	10,56826	12	NA	figure 7	nA	NA		

		20	-10,49744	4,70176	12	NA	figure 7	nA	NA		
		1 mM				NA	figure 7	nA	NA		
		-140	-900,71813	274,0539	13	NA	figure 7	nA	NA		
		-120	-695,08735	205,824	13	NA	figure 7	nA	NA		
		-100	-496,06104	149,9451	13	NA	figure 7	nA	NA		
		-80	-322,38128	103,1325	13	NA	figure 7	nA	NA		
		-60	-186,47239	64,41025	13	NA	figure 7	nA	NA		
		-40	-94,7244	35,27849	13	NA	figure 7	nA	NA		
		-20	-42,84316	16,47859	13	NA	figure 7	nA	NA		
		0	-19,31509	6,40624	13	NA	figure 7	nA	NA		
		20	-10,224	3,28069	13	NA	figure 7	nA	NA		
		3 mM				NA	figure 7	nA	NA		
		-140	-884,62328	253,2572	13	NA	figure 7	nA	NA		
		-120	-657,43953	185,0175	13	NA	figure 7	nA	NA		
		-100	-454,99373	134,2064	13	NA	figure 7	nA	NA		
		-80	-286,67852	90,78948	13	NA	figure 7	nA	NA		
		-60	-161,46458	55,11851	13	NA	figure 7	nA	NA		
		-40	-80,09138	29,31013	13	NA	figure 7	nA	NA		
		-20	-36,28336	13,44217	13	NA	figure 7	nA	NA		
		0	-17,01375	5,78899	13	NA	figure 7	nA	NA		
		20	-9,41353	3,10901	13	NA	figure 7	nA	NA		
PepT2a pH 6.5		0.003mM				NA	figure 7	nA	NA		
		-140	-12,28749	7,63209	10	NA	figure 7	nA	NA		
		-120	-11,92613	7,37817	10	NA	figure 7	nA	NA		
		-100	-10,97703	6,90712	10	NA	figure 7	nA	NA		
		-80	-9,60922	6,53775	10	NA	figure 7	nA	NA		
		-60	-7,43445	5,26804	10	NA	figure 7	nA	NA		
		-40	-4,53693	3,51694	10	NA	figure 7	nA	NA		
		-20	-1,7936	1,46418	10	NA	figure 7	nA	NA		

		0	0,14155	0,74664	10	NA	figure 7	nA	NA		
		20	1,15288	1,36668	10	NA	figure 7	nA	NA		
		0.010 mM				NA	figure 7	nA	NA		
		-140	-33,48093	22,05971	10	NA	figure 7	nA	NA		
		-120	-32,07005	20,95832	10	NA	figure 7	nA	NA		
		-100	-30,00388	19,88136	10	NA	figure 7	nA	NA		
		-80	-25,12175	16,93189	10	NA	figure 7	nA	NA		
		-60	-18,53559	12,66852	10	NA	figure 7	nA	NA		
		-40	-10,7103	7,74298	10	NA	figure 7	nA	NA		
		-20	-3,80919	3,11531	10	NA	figure 7	nA	NA		
		0	0,95485	1,3497	10	NA	figure 7	nA	NA		
		20	3,96016	2,44993	10	NA	figure 7	nA	NA		
		0.030 mM				NA	figure 7	nA	NA		
		-140	-142,73652	37,31294	10	NA	figure 7	nA	NA		
		-120	-131,81886	40,18971	10	NA	figure 7	nA	NA		
		-100	-113,65665	41,13756	10	NA	figure 7	nA	NA		
		-80	-86,44741	37,74957	10	NA	figure 7	nA	NA		
		-60	-53,55635	27,12789	10	NA	figure 7	nA	NA		
		-40	-25,92289	13,72065	10	NA	figure 7	nA	NA		
		-20	-8,53001	4,26969	10	NA	figure 7	nA	NA		
		0	0,74243	2,16292	10	NA	figure 7	nA	NA		
		20	5,52811	3,87993	10	NA	figure 7	nA	NA		
		0.1 mM				NA	figure 7	nA	NA		
		-140	-394,5445	130,2183	10	NA	figure 7	nA	NA		
		-120	-320,09359	116,7341	10	NA	figure 7	nA	NA		
		-100	-235,13894	98,60353	10	NA	figure 7	nA	NA		
		-80	-145,47877	68,75367	10	NA	figure 7	nA	NA		
		-60	-74,30569	38,38694	10	NA	figure 7	nA	NA		
		-40	-32,00047	16,60279	10	NA	figure 7	nA	NA		
		-20	-11,74826	5,46621	10	NA	figure 7	nA	NA		
		0	-2,24231	1,46682	10	NA	figure 7	nA	NA		

		20	-3,02662	2,1968	8	NA	figure 7	nA	NA		
PepT2a pH 7.6		0.003mM/Voltage				NA	figure 7	nA	NA		
		-140	-19,6698	24,21009	13	NA	figure 7	nA	NA		
		-120	-14,06236	13,16814	13	NA	figure 7	nA	NA		
		-100	-9,73966	7,07265	13	NA	figure 7	nA	NA		
		-80	-5,91677	3,58982	13	NA	figure 7	nA	NA		
		-60	-3,06073	2,24092	13	NA	figure 7	nA	NA		
		-40	-1,18392	1,58449	13	NA	figure 7	nA	NA		
		-20	0,30542	0,45053	13	NA	figure 7	nA	NA		
		0	0,68732	0,52824	13	NA	figure 7	nA	NA		
		20	1,1542	1,1903	12	NA	figure 7	nA	NA		
		0.010 mM				NA	figure 7	nA	NA		
		-140	-36,61727	13,54422	12	NA	figure 7	nA	NA		
		-120	-31,00744	11,88823	12	NA	figure 7	nA	NA		
		-100	-24,36086	8,70327	12	NA	figure 7	nA	NA		
		-80	-15,34446	5,50908	12	NA	figure 7	nA	NA		
		-60	-6,63075	2,90894	12	NA	figure 7	nA	NA		
		-40	-1,04316	1,03258	12	NA	figure 7	nA	NA		
		-20	1,69775	1,27999	12	NA	figure 7	nA	NA		
		0	2,72581	1,87532	12	NA	figure 7	nA	NA		
		20	2,87856	2,32609	12	NA	figure 7	nA	NA		
		0.030 mM				NA	figure 7	nA	NA		
		-140	-148,82168	146,6094	12	NA	figure 7	nA	NA		
		-120	-110,64419	80,73061	12	NA	figure 7	nA	NA		
		-100	-73,03941	37,26409	12	NA	figure 7	nA	NA		
		-80	-39,62528	17,24076	12	NA	figure 7	nA	NA		
		-60	-16,14825	7,95609	12	NA	figure 7	nA	NA		
		-40	-3,41429	2,21446	12	NA	figure 7	nA	NA		
		-20	2,76911	1,99889	12	NA	figure 7	nA	NA		
		0	5,1932	2,84464	12	NA	figure 7	nA	NA		

		20	6,21502	2,92389	12	NA	figure 7	nA	NA		
		0.1 mM				NA	figure 7	nA	NA		
		-140	-248,70577	56,62532	12	NA	figure 7	nA	NA		
		-120	-188,04141	56,09359	12	NA	figure 7	nA	NA		
		-100	-119,94007	47,06892	12	NA	figure 7	nA	NA		
		-80	-61,29143	30,07735	12	NA	figure 7	nA	NA		
		-60	-24,84662	13,5336	12	NA	figure 7	nA	NA		
		-40	-6,83632	3,66999	12	NA	figure 7	nA	NA		
		-20	0,72839	1,56234	12	NA	figure 7	nA	NA		
		0	4,21896	3,52598	12	NA	figure 7	nA	NA		
		20	5,91327	4,75647	12	NA	figure 7	nA	NA		
		0.3 mM				NA	figure 7	nA	NA		
		-140	-445,88384	136,3116	13	NA	figure 7	nA	NA		
		-120	-299,05589	114,2744	13	NA	figure 7	nA	NA		
		-100	-173,86878	81,28112	13	NA	figure 7	nA	NA		
		-80	-84,75599	45,59412	13	NA	figure 7	nA	NA		
		-60	-35,20349	20,41397	13	NA	figure 7	nA	NA		
		-40	-11,89637	6,86029	13	NA	figure 7	nA	NA		
		-20	-2,50726	1,15109	13	NA	figure 7	nA	NA		
		0	2,11487	2,63253	13	NA	figure 7	nA	NA		
		20	4,64948	3,86386	13	NA	figure 7	nA	NA		
		1 mM				NA	figure 7	nA	NA		
		-140	-570,61757	199,6628	13	NA	figure 7	nA	NA		
		-120	-345,81609	131,348	13	NA	figure 7	nA	NA		
		-100	-183,54041	78,41517	13	NA	figure 7	nA	NA		
		-80	-85,26146	40,28269	13	NA	figure 7	nA	NA		
		-60	-35,82433	18,18969	13	NA	figure 7	nA	NA		
		-40	-14,21908	7,3672	13	NA	figure 7	nA	NA		
		-20	-5,64447	2,77156	13	NA	figure 7	nA	NA		
		0	-2,16609	1,58969	13	NA	figure 7	nA	NA		
		20	-0,29359	1,53123	13	NA	figure 7	nA	NA		

		3 mM				NA	figure 7	nA	NA		
		-140	-621,64426	195,8703	13	NA	figure 7	nA	NA		
		-120	-377,48575	129,8848	13	NA	figure 7	nA	NA		
		-100	-202,08734	78,96129	13	NA	figure 7	nA	NA		
		-80	-96,05271	41,75702	13	NA	figure 7	nA	NA		
		-60	-42,41259	19,79581	13	NA	figure 7	nA	NA		
		-40	-18,17374	9,46128	13	NA	figure 7	nA	NA		
		-20	-7,87897	4,76364	13	NA	figure 7	nA	NA		
		0	-3,65213	3,88923	13	NA	figure 7	nA	NA		
		20	-1,73662	3,714	13	NA	figure 7	nA	NA		

Fitting reported in Figure 8 from the data of Figure 7 reported above (Row data available here: DOI 10.17605/OSF.IO/563SB)

Dose response experiments- Questions: what is the concentration value that elicited half of the maximal current-	Voltages tested	K05 at indicated Voltages and pH determined by Origin Logistic fitting	SE (determined by origin Fitting)	Maximal current determined by Origin Logistic fitting	(value)	P Value	Figure in which the data are presented	Units	e.g. observation
		K05	SE	Imax	SE				Raw data available DOI 10.17605/OSF.IO/563SB
	-140	0,17975	0,02544	-1021,32	86,37902	NA	figure 8	mM/nA	
	-120	0,13254	0,01944	-758,359	62,43026	NA	figure 8	mM/nA	
	-100	0,09671	0,01726	-528,562	49,13556	NA	figure 8	mM/nA	
	-80	0,06264	0,0126	-336,624	33,19138	NA	figure 8	mM/nA	
	-60	0,03718	0,0092	-193,081	20,81119	NA	figure 8	mM/nA	

Logistic fitting Value pH5.5 Pept2b		K05	SE	lmax	SE		figure 8	mM/nA	
	-140	0,05014	0,00773	-544,127	42,39377	NA	figure 8	mM/nA	
	-120	0,03513	0,00545	-370,82	27,65473	NA	figure 8	mM/nA	
	-100	0,02201	0,00263	-230,532	12,27662	NA	figure 8	mM/nA	
	-80	0,01299	0,00157	-131,12	6,62477	NA	figure 8	mM/nA	
	-60	0,00786	0,0012	-69,2083	4,01487	NA	figure 8	mM/nA	
	-40	0,00457	0,00104	-34,8359	2,54826	NA	figure 8	mM/nA	
	-20	0,00261	8,55E-04	-18,8106	1,42946	NA	figure 8	mM/nA	
	0	0,00185	0,00193	-13,1224	0,94759	NA	figure 8	mM/nA	
	20	0,001	0,00262	-12,047	0,84782	NA	figure 8	mM/nA	
						NA	figure 8	mM/nA	
Logistic fitting Value pH6.5 Pept2b		K05	SE	lmax	SE		figure 8	mM/nA	
	-140	0,04997	0,00548	-478,567	31,47564	NA	figure 8	mM/nA	
	-120	0,0325	0,00331	-276,052	15,7031	NA	figure 8	mM/nA	
	-100	0,0195	0,00166	-141,173	6,18895	NA	figure 8	mM/nA	
	-80	0,01158	0,00172	-62,9174	4,17893	NA	figure 8	mM/nA	
	-60	0,00664	0,00141	-25,1734	1,89823	NA	figure 8	mM/nA	
	-40	0,00448	0,00111	-9,91532	0,70549	NA	figure 8	mM/nA	
	-20	0,00492	2,38E-04	-4,23198	0,07446	NA	figure 8	mM/nA	
	0	0,02011	0,00657	-2,21925	0,20752	NA	figure 8	mM/nA	
	20								
Logistic fitting Value pH7.6 Pept2b		K05	SE	lmax	SE	NA	figure 8	mM/nA	
	-140	0,04997	0,00548	-478,567	31,47564	NA	figure 8	mM/nA	
	-120	0,0325	0,00331	-276,052	15,7031	NA	figure 8	mM/nA	
	-100	0,0195	0,00166	-141,173	6,18895	NA	figure 8	mM/nA	
	-80	0,01158	0,00172	-62,9174	4,17893	NA	figure 8	mM/nA	

	-60	0,00664	0,00141	-25,1734	1,89823	NA	figure 8	mM/nA	
	-40	0,00448	0,00111	-9,91532	0,70549	NA	figure 8	mM/nA	
	-20	0,00492	2,38E-04	-4,23198	0,07446	NA	figure 8	mM/nA	
	0	0,02011	0,00657	-2,21925	0,20752	NA	figure 8	mM/nA	
	20								