

## SUPPLEMENTARY MATERIAL

Table S1. Skin prick tests with in-house bovine dander extract compared to commercially available sensitization tests as gold standard

	Sensitization tested with bovine sIgE** and/ or SPT* n	Sensitization tested with in-house SPT# n	
SPT#* and/ or bovine-sIgE** positive	True positive 38	False positive 3	Total test positive 41
SPT#* and / or bovine-sIgE** negative	False negative 0	True negative 46	Total test negative 46
	Total sensitized 38	Total normal 49	Total tested 87

#Skin prick test, \*ALK-Abelló, \*\* Phadia UniCAP, Skin prick test

In-house SPT sensitivity to detect sensitization was 100% and specificity 94% in 87 tested patients.

Table S2. Nasal allergen provocation tests with in-house bovine dander extract compared to commercially available commercial allergen extract as gold standard

	NPT* with commercial allergen extract <sup>‡</sup> n	NPT* with in-house extract and commercial extract <sup>‡</sup>	
NPT* with commercial allergen extract <sup>‡</sup> positive	True positive 4	False positive 14	Total 18
NPT* with commercial allergen extract <sup>‡</sup> negative	False negative 0	True negative 3	Total 3
	Total positive 4	Total 17	Total 21

<sup>‡</sup>Allergopharma, \*Nasal allergen provocation test

In-house NPT sensitivity to disease was 100% and specificity 18% in 21 tested patients.