Table S5. Number of validated proteins and their corresponding genes from ISGAP and six-frame translation.

Data	Туре	Mapped in Assembly		ISGAP			Six-frame translation		
		#Mapped Protein	#Mapped Region	#Mapped Protein	#Mapped Region	#Annotated Gene	#Mapped Protein	#Mapped Region	#Annotated Gene
Onion	Whole ^a	398	1,008	351	866	348	344	746	281
	Both ^b	322	693	322	693	255	322	693	255
	Specific ^c	188	315	120	173	94	35	53	27
	Single Exon ^d	396	884	351	767	326	344	746	281
	Multiple Exon ^e	92	124	78	99	23	0	0	0
RefSeq	Whole ^a	49,257	126,607	45,724	114,593	8,324	44,448	3 93,2	256 6,526
	Both ^b	42,126	87,168	42,126	87,168	5,984	42,126	6 87,1	68 5,984
	Specific ^c	21,056	39,439	16,373	27,425	2,341	3,393	3 6,0)88 543
	Single Exon ^d	47,047	101,888	43,970	93,595	6,752	44,443	93,2	251 6,524
	Multiple Exon ^e	14,450	24,719	12,904	20,998	1,573	e	6	5 3

^aWhole cases in the validation

^bCases which both gene sets covered

°Cases that genes of ISGAP or six-frame translation specifically covered

^dCases that public proteins were mapped as single exon gene

^eCases for multiple exon containing genes