**A fraction of** *Prunella vulgaris* **spikes inhibits neutrophil elastase and protects mice from lipopolysaccharide-induced acute lung injury.**

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**Supporting information**

ITS and *psb*A-*trn*H sequences obtained from *Prunell vilgaris* spikes were shown as following:

ITS sequence:

ggatcattgtcgaaacctgcaaaagcagaccgcgaacacgtgcttaactacacggcgcgcggcgcgggggacgcgagtctccccgtcgTgcgctgaatccccgccggcgcgctccCtcgggtcgcgtcgttcgggctaacgaaccccggcgcggaatgcgccaaggaaaacttaacgaagcgtccgcatccccgcagcccgtccgcggaacctgcggggggaccggtcgtctatcataatgtcaaaacgactctcggcaacggatatctcggctctcgcatcgatgaagaacgtagcgaaatgcgatacttggtgtgaattgcagaatcccgtgaaccatcgagtctttgaacgcaagttgcgcccgaagcctttaggccgagggcacgtctgcctgggcgtcacgcatcgcgtcgccccacctcaccgcgcacgaacgtgccggcgagtggggcggatattggccccccgtgcgcctcggcgtgcggtcggcccaaatgcgat

ccctcggcgactcgtgtcgcgactagtggtggttgaacctcaatctctcaatcgtcgtgctcccgcgtcgtctgcaagggcatcaatgaacgacccaacggtgtcggtgccgcacggcgccccaccttcgaccgcgacccc.

*psb*A-*trn*H sequence:

ataacttccctctagacctagctgctatcgaagctccaacaaatgggtaagacttgttYttagtgtgtaggagtttttgaaaatagaatagataaatataaggagcaagaaaccttttacttgttctctcaaaagagggtttcttgctcctttattttctttttaattaggagtcctttacagaataaataaagaagagaaaaaaacgattgaaattccatctttttccttttttacaatttataaaaaaaggaaaaagtgaattcgtaaatataaataaaagttaataaatttaaaaatttttgatagaatttgaatagtagaggggcggatgtagccaagtggatcaaggcagt

Y presents T or C.