Table S1. Characteristics of synthetic Der p 7-derived peptides

| Peptide | Position (aa) | Sequence | No. of amino acids | Molecular mass (Da) | Isoelectric point |
|---------|---------------|----------|--------------------|--------------------|-------------------|
| peptide 1 | 1-30          | CDPIHYDKITEEINKAVDEAVAAIEKSETFD | 31                 | 3494,83            | 4,20              |
| peptide 2 | 20-50         | CVAAIEKSETFDPMKVPDHSKFERHIGIIDL | 32                 | 3642,16            | 4,96              |
| peptide 3 | 50-80         | CLKGELMRNIQVRGLKQMKRVDANVVEDG   | 32                 | 3589,16            | 9,11              |
| peptide 4 | 90-125        | CVHDDVSMENYDLAYKLGLDPHNTHVISIDIQDVVEL | 37             | 4230,73            | 4,18              |
| peptide 5 | 123-148       | CVESLEVSEEGNMTLTSFEVRQFANV      | 27                 | 3032,39            | 3,98              |
| peptide 6 | 149-176       | CVNHIGGLSILDPIAVLSVLTAFQDDT     | 29                 | 3072,57            | 3,93              |
| peptide 7 | 170-198       | CTAIFQDTVRAEMTKLAAPAFKKELENNQ   | 30                 | 3452,99            | 8,18              |

Cysteines added for coupling to KLH are marked in bold.