

Untitled\_ST25.txt  
SEQUENCE LISTING

<110> Council of Scientific and Industrial Research  
G.P.S., Raghava  
Gautam, Ankur  
Nandanwar, Hemraj S

<120> CELL PENETRATING PEPTIDE FOR BIOMOLECULE DELIVERY

<130> xxx

<160> 10

<170> PatentIn version 3.5

<210> 1

<211> 15

<212> PRT

<213> Homo Sapiens

<220>

<221> misc\_feature

<223> Voltage-dependent L-type calcium channel subunit alpha-1D protein  
derived peptide represented as P8

<400> 1

Arg Arg Trp Arg Arg Trp Asn Arg Phe Asn Arg Arg Arg Cys Arg  
1 5 10 15

<210> 2

<211> 15

<212> PRT

<213> herpes virus

<220>

<221> misc\_feature

<223> Protein U4 derived peptide represented by P3

<400> 2

Arg Arg Arg Gln Lys Arg Ile Val Val Arg Arg Arg Leu Ile Arg  
1 5 10 15

<210> 3

<211> 12

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Truncated mutant of P8 represented as T2

<400> 3

Arg Arg Trp Asn Arg Phe Asn Arg Arg Arg Cys Arg  
1 5 10

<210> 4

<211> 9

<212> PRT

<213> Homo sapiens

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<220>  
 <221> misc\_feature  
 <223> Truncated mutant of P8 represented as T1

<400> 4

Asn Arg Phe Asn Arg Arg Arg Cys Arg  
 1 5

<210> 5  
 <211> 15  
 <212> PRT  
 <213> Arabidopsis thaliana

<220>  
 <221> misc\_feature  
 <223> DEAD-box ATP-dependent RNA helicase 27 derived peptide  
 represented as P1

<400> 5

Lys Lys Lys Lys Lys Lys Asn Lys Lys Leu Gln Gln Arg Gly Asp  
 1 5 10 15

<210> 6  
 <211> 15  
 <212> PRT  
 <213> Rat

<220>  
 <221> misc\_feature  
 <223> 5E5 antigen derived peptide represented as P2

<400> 6

Arg Gly Asp Gly Pro Arg Arg Arg Pro Arg Lys Arg Arg Gly Arg  
 1 5 10 15

<210> 7  
 <211> 15  
 <212> PRT  
 <213> Mycobacterium tuberculosis

<220>  
 <221> misc\_feature  
 <223> PE-PGRS3 derived peptide represented as P4

<400> 7

Arg Arg Val Trp Arg Arg Tyr Arg Arg Gln Arg Trp Cys Arg Arg  
 1 5 10 15

<210> 8  
 <211> 15  
 <212> PRT  
 <213> Bovine herpesvirus 1

<220>

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&lt;221&gt; misc\_feature

&lt;223&gt; Envelope glycoprotein B derived peptide represented as P5

&lt;400&gt; 8

Arg Arg Ala Arg Arg Pro Arg Arg Leu Arg Pro Ala Pro Gly Arg  
1 5 10 15

&lt;210&gt; 9

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Mouse

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Prostaglandin E2 receptor EP1 subtype derived peptide represented as P6

&lt;400&gt; 9

Leu Leu Arg Ala Arg Trp Arg Arg Arg Arg Ser Arg Arg Phe Arg  
1 5 10 15

&lt;210&gt; 10

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; GABA receptor subunit theta derived peptide represented as P7

&lt;400&gt; 10

Arg Gly Pro Arg Arg Gln Pro Arg Arg His Arg Arg Pro Arg Arg  
1 5 10 15