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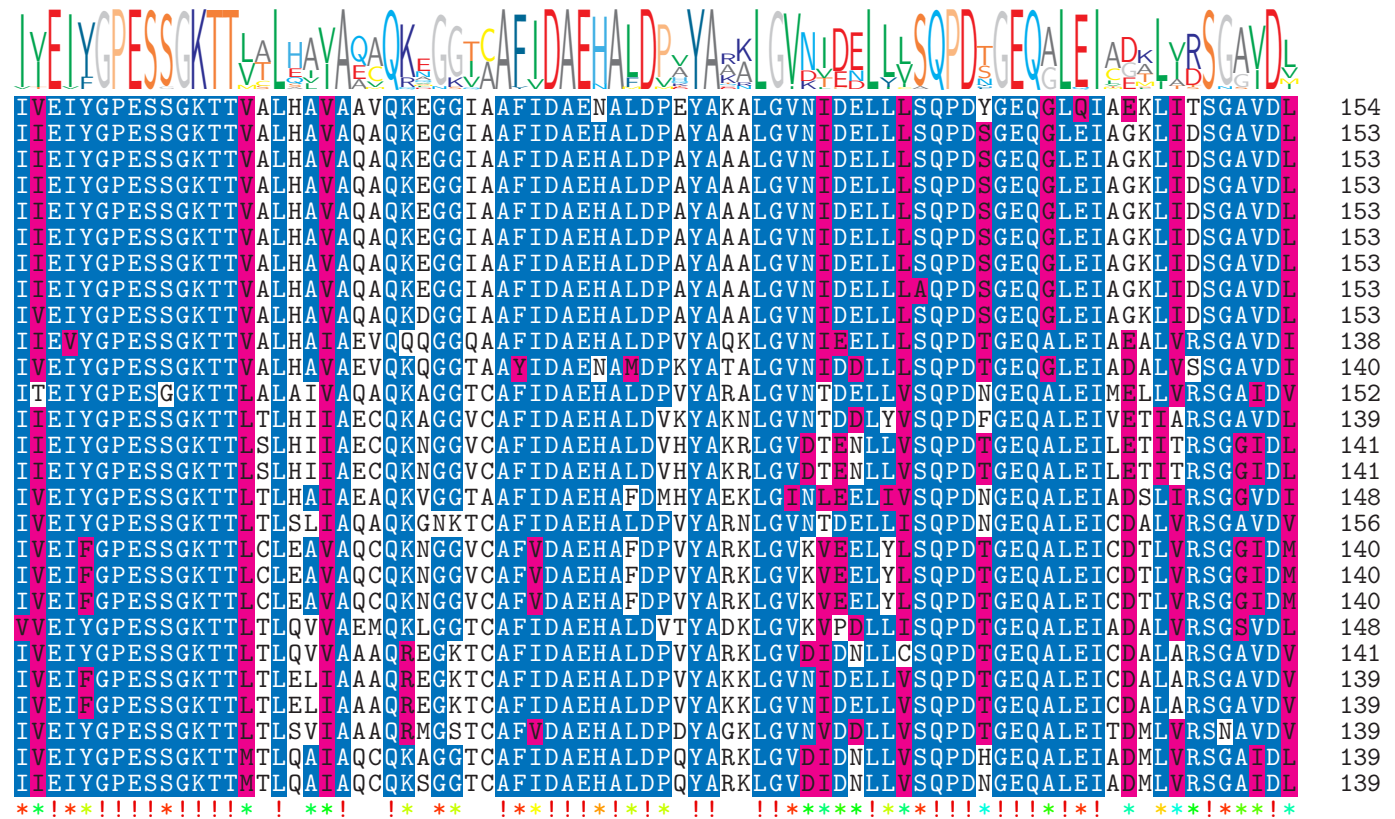
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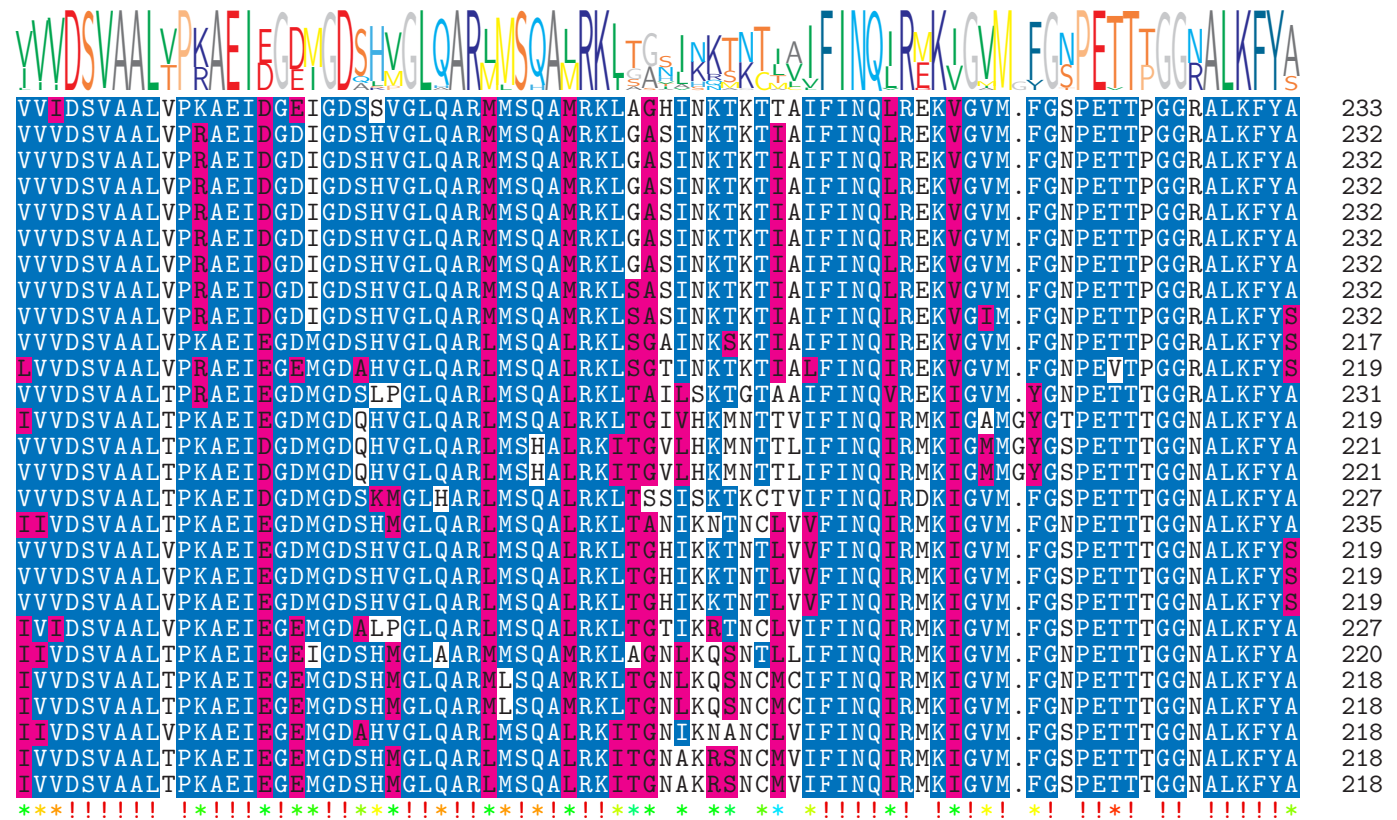
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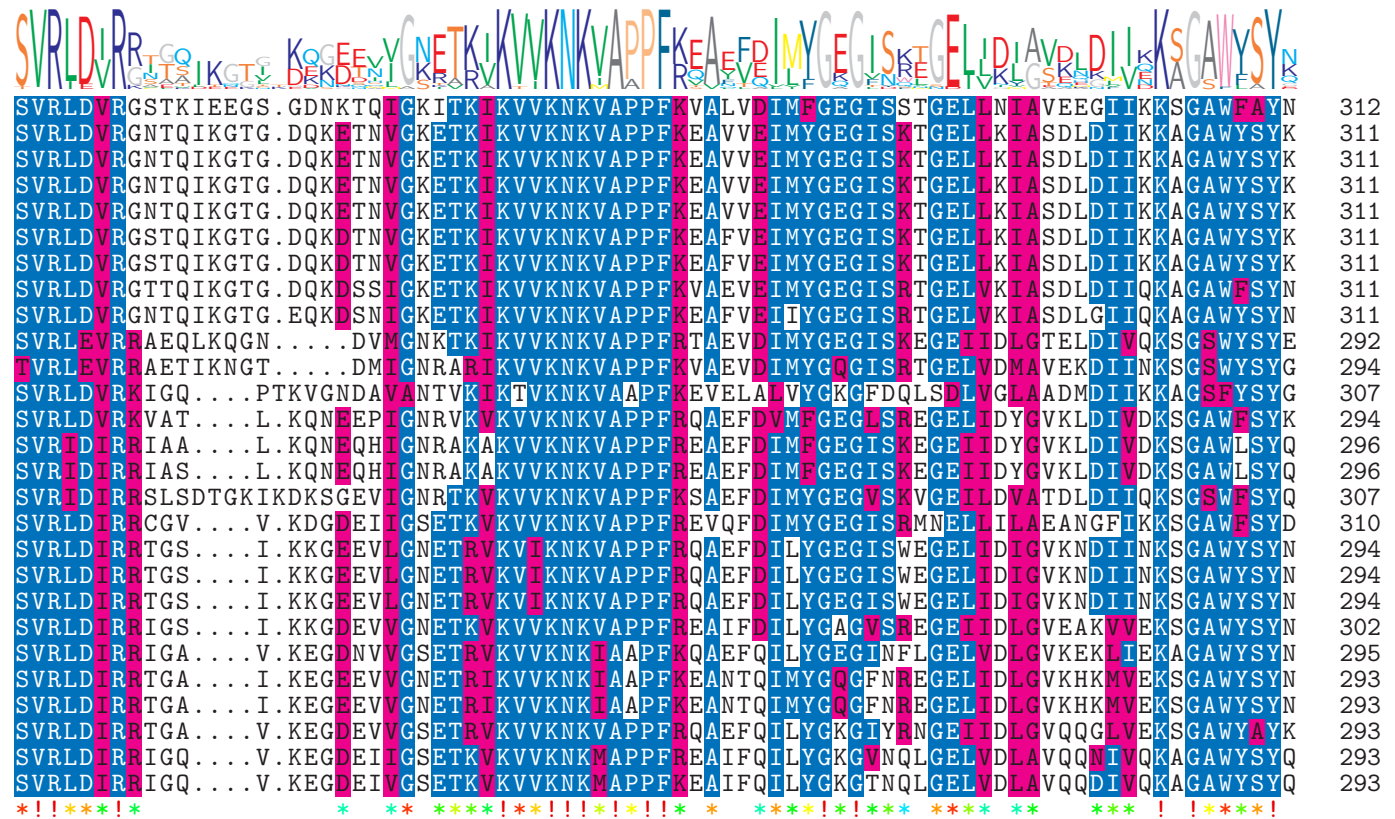
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| G                                                                                      | K   | I | Q | G | K | E | N | A | K | Y | L | K | E | N | P | E | I | A | D | E | I | D | K | Y | R | E | S | G | L | P | E | V | E | T | E | K | P | E | F | E | E | V | E | E | L | D | L | G | D | E | I | E |
| DE                                                                                     | ER  | L | R | R | V | T | E | F | A | D | E | K | R | A | E | L | E | S | G | L | P | E | V | E | T | E | K | P | E | F | E | E | V | E | E | L | D | L | G | D | E | I | E |   |   |   |   |   |   |   |   |   |
| DEKIGQGAEKAKNYLKEHQDVFEIDHKKVRAAHGLDDSEVAETEEETTASKTAKAKKETKAVETEEIELELED . . . .      | 387 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| DEKIGQGSSENAKKYLAEHPEIFDEIDKQVRSKFGLIDGEEVSEQDTENKKDE . . . PKKEEA . VNEEVPLDLGDELEIE  | 385 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
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| DEKIGQGSSENAKKYLAADNPFAEIDHQRVVFGLIDGEEAAE . . . SKKDE . . . VAQVDS . VNEEVTLDLGDELEIE | 381 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
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| GEKIGQGSSENAKRYLADHPQLFDEIDRKRVRVKFGLLEESEEESAMAVASE . . . . E . . . . TDDLALDNLNGIEIE | 377 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| GEKIGQGSSENAKKFLADNPFIIDDHKKRVVQYGLIIEDNTEEKQSSEK . . . . ETDEK . ADKNLVLELDDTIELE     | 382 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| EERLGGQRENAAKQFLKENKDIMLMIQEQIREHYGLDNNGVVQQAEETQEEL.EFE.E . . . . .                   | 348 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| SERIGQGRENAANKYLADHEDVEDEVRLKVRAAYGISDVPEEDLPPTTEDE.QI.NILPDDST . . . EE . . . .       | 355 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| DERIGQGEKTTIATIAERPMEQEIRDRVMMAAIRAGNAGEAPALAPAPAPEAA . . EA . . . . .                 | 363 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| DKKLGGGRENSKAFLKENPEIADITTKAIQNSMGTJEGMI . . . SGSEDDE . . . GEE . . . .               | 343 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| DKKLGGGRENAKALLKEDKALADEITLKIKESIGSNEEI . . . MPLPDEP . . . . LEEME . . . .            | 347 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| DKKLGGGRENAKALLKEDKALADEITLKIKESIGSNEEI . . . MPLPDEP . . . . LEEME . . . .            | 347 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| DTKLGGGRDTPVKELIKDNPELAEELEAKIREKLQAK . . . . .                                        | 343 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| GTKIGQGXNNNAVWLKENPEIADKLEQIRNTLIASNPS . . . . VLKATASDSN . . DESDVVEEFSEEL . .        | 372 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| GAKIGQXKDNVRVWLKENPEISDEIDAKIRALNGVEMHI . . . . TEG . . . . T . . QDETGDGERPEE . .     | 348 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
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| GERIGQGRDNCREFLRENAELAREIENKVRHLGVTPMG . . . . AVTL.AEEVE . . ED . . . .               | 352 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| GDKIGQXKANAISSLKENPAAAKIEKKVRELLLNQDS . . . . KPDFVVD . . . . GADAEETNEDF . .          | 352 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| GDKIGQXKANACKYLKENPEIAKTLDKKLREMLLNPNEM . . . . QLIAETSSAA . DDVEFGAVPEEF . .          | 354 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| GDKIGQXKANACKYLKENPEIAKTLDKKLREMLLNPNEM . . . . QLIAETSSAA . DDVEFGAVPEEF . .          | 354 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
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| GNIKIGQXKNNVIRYLEENPISTEIEAVIREQLLTAKSD . . . . QTAA.HDETE . EEPOLLLES . . . .         | 349 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| GNKIGQXKNNVIRIFYENNQIAEIERNIEREQLLTGTN . . . . GAVQ.I.EDE . EEPOLLLES . . . .          | 349 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| ***!!***** ** ***** **** * *                                                           |     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

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consensus

 non conserved  
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