

Burgess Supplementary Figure 1

|            |       |     |   |     |
|------------|-------|-----|---|-----|
|            |       | 1   |   | 50  |
| human HGF  | (1)   | -   | MWVTKLLPALLLQHVLLHLLLLPIAIPYAEGQRKRRNTIHEFKSAKT   | T   |
| cyno HGF   | (1)   | -   | MWVTKLLPALLLQHVLLHLLLLPIAIPYAEGHKRRNTIHEFKSAKT  | T   |
| rabbit HGF | (1)   | -   | MWVSKLVPVLLLQVLLHLLLLPIAIPYAEGQKRRNTLHEFKSAKT   | I   |
| mouse HGF  | (1)   | M   | MWGTKLLPVLLLQHVLLHLLLLHVAIPYAEGQKRRNTLHEFKSAKT  | T   |
| Consensus  | (1)   |     | MWVTKLLPVLLLQHVLLHLLLLPIAIPYAEGQKRRNTIHEFKSAKT  | T   |
|            |       | 51  |   | 100 |
| human HGF  | (50)  |     | LIKIDPALKIKTKK <b>VNTADQ</b> CANRCTRNKGLPFTCKAFVFDKARKQCLWF   |     |
| cyno HGF   | (50)  |     | LIKIDPALKIKTKK <b>VNTADQ</b> CANRCTRN <b>N</b> GLPFTCKAFVFDKARKQCLWF  |     |
| rabbit HGF | (50)  |     | LIKE <b>D</b> PLLKIKTKK <b>MNTADQ</b> CANRC <b>I</b> RN <b>K</b> GLPFTCKAFVFDK <b>T</b> KRCLWF  |     |
| mouse HGF  | (51)  |     | LT <b>K</b> E <b>D</b> PLLKIKTKK <b>VNSADE</b> CANRC <b>I</b> R <b>N</b> R <b>G</b> F <b>T</b> FTCKAFVFDK <b>S</b> R <b>K</b> RCY <b>W</b> Y  |     |
| Consensus  | (51)  |     | LIKIDPLLKIKTKKVNTADQCANRCTRNKGLPFTCKAFVFDKARKRCLWF  |     |
|            |       | 101 |   | 150 |
| human HGF  | (100) |     | PFNSMSSGVKKEFGHEFDLYENKDYIRNCIIGKGRSYKGTVSITKSGIKC  |     |
| cyno HGF   | (100) |     | PFNSMSSGVKKEFGHEFDLYENKDYIRNCIIGKGRSYKGTVSITKSGIKC  |     |
| rabbit HGF | (100) |     | PFNSMSSGVKKEFGHEFDLYENKDYIRNCIIGK <b>G</b> SYKGTVSITKSGIKC  |     |
| mouse HGF  | (101) |     | PFNSMSSGVK <b>K</b> GF <b>G</b> HEFDLYENKDYIRNCIIGK <b>G</b> SYKGTVSITKSGIKC  |     |
| Consensus  | (101) |     | PFNSMSSGVKKEFGHEFDLYENKDYIRNCIIGKGRSYKGTVSITKSGIKC  |     |
|            |       | 151 |   | 200 |
| human HGF  | (150) |     | QPWS <b>S</b> MI <b>P</b> HEHSFLPSSYRGKDLQENYCRNPRGEEGGPWCFTSNPEVRYE  |     |
| cyno HGF   | (150) |     | QPWS <b>S</b> MI <b>P</b> HEHSFLPSSYRGKDLQENYCRNPRGEEGGPWCFTSNPEVRYE  |     |
| rabbit HGF | (150) |     | QPWS <b>S</b> MI <b>P</b> HEHSFLPSSYRGKDLQENYCRNPRGEEGGPWCFTSNPEVRYE  |     |
| mouse HGF  | (151) |     | QP <b>W</b> <b>N</b> <b>S</b> MI <b>P</b> HEHSFLPSSYRGKDLQENYCRNPRGEEGGPWCFTSNPEVRYE  |     |
| Consensus  | (151) |     | QPWSSMIPHEHSFLPSSYRGKDLQENYCRNPRGEEGGPWCFTSNPEVRYE  |     |
|            |       | 201 |   | 250 |
| human HGF  | (200) |     | VCDIPQCSEVEECMTC <b>N</b> GESYRGLMDHTESGK <b>I</b> CQRWDHQT <b>P</b> HRHKFLPER  |     |
| cyno HGF   | (200) |     | VCDIPQCSEVEECMTC <b>D</b> GESYRGLMDHTESGK <b>I</b> CQRWDHQT <b>P</b> HRHKFLPER  |     |
| rabbit HGF | (200) |     | VCDIPQCSEVEECMTC <b>N</b> GESYR <b>G</b> PM <b>D</b> HTESGK <b>I</b> CQRWDHQT <b>P</b> HRHKFLPER  |     |
| mouse HGF  | (201) |     | VCDIPQCSEVEECMTC <b>N</b> GESYR <b>G</b> PM <b>D</b> HTESGK <b>T</b> CQRWD <b>Q</b> T <b>P</b> HRHKFLPER  |     |
| Consensus  | (201) |     | VCDIPQCSEVEECMTCNGESYRGPMDHTESGKICQRWDHQT <b>P</b> HRHKFLPER  |     |
|            |       | 251 |   | 300 |
| human HGF  | (250) |     | YPDKGFDNYCRNPDGQPRPWCYTLDPHTRWEYCAIKT <b>CADNTMND</b> TDV <b>P</b>  |     |
| cyno HGF   | (250) |     | YPDKGFDNYCRNPDGQPRPWCYTLDPHTRWEYCAIKT <b>CADNTVN</b> TDV <b>P</b>   |     |
| rabbit HGF | (250) |     | YPDKGFDNYCRNPDG <b>K</b> PRPWCYTLD <b>P</b> D <b>T</b> PWEYCAIK <b>M</b> CAHSIM <b>N</b> TDV <b>P</b>   |     |
| mouse HGF  | (251) |     | YPDKGFDNYCRNPDG <b>K</b> PRPWCYTLD <b>P</b> D <b>T</b> PWEYCAIK <b>T</b> CAHS <b>AVN</b> ETDV <b>P</b>  |     |
| Consensus  | (251) |     | YPDKGFDNYCRNPDGQPRPWCYTLDPHTRWEYCAIKTCAHSTMNDTDV <b>P</b>   |     |
|            |       | 301 |   | 350 |
| human HGF  | (300) |     | LETTECIQGQEGYRGT <b>V</b> NTI <b>W</b> NGI <b>P</b> CQRWDSQY <b>P</b> HE <b>H</b> DM <b>T</b> PENFKCKDL   |     |
| cyno HGF   | (300) |     | ME <b>T</b> TECIQGQEGYRGT <b>A</b> NTI <b>W</b> NGI <b>P</b> CQRWDSQY <b>P</b> H <b>K</b> DM <b>T</b> PENFKCKDL   |     |
| rabbit HGF | (300) |     | ME <b>T</b> TECIQGQEGYRGT <b>I</b> NTI <b>W</b> NGI <b>P</b> CQRWDSQY <b>P</b> H <b>Q</b> DM <b>T</b> PENFKCKDL   |     |
| mouse HGF  | (301) |     | ME <b>T</b> TECIQGQEGYRGT <b>S</b> NTI <b>W</b> NGI <b>P</b> CQRWDSQY <b>P</b> H <b>K</b> DM <b>T</b> PENFKCKDL   |     |
| Consensus  | (301) |     | METTECIQGQEGYRGT <b>S</b> NTI <b>W</b> NGI <b>P</b> CQRWDSQY <b>P</b> H <b>K</b> DM <b>T</b> PENFKCKDL  |     |
|            |       | 351 |   | 400 |
| human HGF  | (350) |     | RENYCRNPDG <b>S</b> ES <b>P</b> WCFTTDPNIRVG <b>Y</b> CSQ <b>I</b> PNC <b>D</b> MS <b>H</b> GQDCY <b>R</b> GNGK <b>N</b> Y  |     |
| cyno HGF   | (350) |     | RENYCRNPDG <b>S</b> ES <b>P</b> WCFTTDPNIRVG <b>Y</b> CSQ <b>I</b> PNC <b>D</b> MS <b>N</b> GQDCY <b>R</b> GNGK <b>N</b> Y  |     |
| rabbit HGF | (350) |     | RENYCRNPDG <b>A</b> ES <b>P</b> WCFTTDPNIRVG <b>Y</b> CSQ <b>I</b> P <b>K</b> CD <b>V</b> SSGQDCY <b>L</b> GNGK <b>N</b> Y  |     |
| mouse HGF  | (351) |     | RENYCRNPDG <b>A</b> ES <b>P</b> WCFTTDPNIRVG <b>Y</b> CSQ <b>I</b> P <b>K</b> CD <b>V</b> SSGQDCY <b>R</b> GNGK <b>N</b> Y  |     |
| Consensus  | (351) |     | RENYCRNPDGAES <b>P</b> WCFTTDPNIRVG <b>Y</b> CSQ <b>I</b> PNC <b>D</b> MS <b>S</b> GQDCY <b>R</b> GNGK <b>N</b> Y   |     |
|            |       | 401 |   | 450 |
| human HGF  | (400) |     | MGNLS <b>Q</b> TRSGLTCS <b>M</b> W <b>D</b> KNMEDLHR <b>H</b> I <b>F</b> WEPDASK <b>L</b> NE <b>N</b> YCRNPD <b>D</b> DA <b>H</b> G   |     |
| cyno HGF   | (400) |     | MGNLS <b>Q</b> TRSGLTCS <b>M</b> W <b>N</b> KNMEDLHR <b>H</b> I <b>F</b> WEPDASK <b>L</b> NE <b>N</b> YCRNPD <b>D</b> DA <b>H</b> G   |     |
| rabbit HGF | (400) |     | MGNLS <b>K</b> TRSGLTCS <b>M</b> W <b>D</b> KNMEDLHR <b>H</b> T <b>F</b> WEPDASK <b>L</b> N <b>K</b> NYCRNPD <b>D</b> DA <b>H</b> G   |     |
| mouse HGF  | (401) |     | MGNLS <b>K</b> TRSGLTCS <b>M</b> W <b>D</b> KNMEDLHR <b>H</b> I <b>F</b> WEPDASK <b>L</b> N <b>K</b> NYCRNPD <b>D</b> DA <b>H</b> G   |     |
| Consensus  | (401) |     | MGNLSQTRSGLTCS <b>M</b> W <b>D</b> KNMEDLHR <b>H</b> I <b>F</b> WEPDASK <b>L</b> N <b>K</b> NYCRNPD <b>D</b> DA <b>H</b> G  |     |
|            |       | 451 |   | 500 |
| human HGF  | (450) |     | PWCYTGN <b>P</b> L <b>I</b> PWDY <b>C</b> P <b>I</b> S <b>R</b> CEGDTTPT <b>I</b> VNLDHP <b>V</b> I <b>S</b> CAK <b>T</b> K <b>Q</b> L <b>R</b> V <b>V</b> NG <b>I</b>  |     |
| cyno HGF   | (450) |     | PWCYTGN <b>P</b> L <b>I</b> PWDY <b>C</b> P <b>I</b> S <b>R</b> CEGDTTPT <b>I</b> VNLDHP <b>V</b> I <b>S</b> CAK <b>T</b> K <b>Q</b> L <b>R</b> V <b>S</b> G <b>I</b>   |     |
| rabbit HGF | (450) |     | PWCYTGN <b>P</b> L <b>V</b> PWDY <b>C</b> P <b>L</b> A <b>R</b> CEGDTTPT <b>I</b> VNLDHP <b>V</b> V <b>S</b> CAK <b>T</b> K <b>Q</b> L <b>R</b> V <b>V</b> NG <b>I</b>  |     |
| mouse HGF  | (451) |     | PWCYTGN <b>P</b> L <b>I</b> PWDY <b>C</b> P <b>I</b> S <b>R</b> CEGDTTPT <b>I</b> VNLDHP <b>V</b> I <b>S</b> CAK <b>T</b> K <b>Q</b> L <b>R</b> V <b>V</b> NG <b>I</b>  |     |
| Consensus  | (451) |     | PWCYTGNPLIPWDYCPIS <b>R</b> CEGDTTPT <b>I</b> VNLDHPV <b>I</b> SCAK <b>T</b> K <b>Q</b> L <b>R</b> V <b>V</b> NG <b>I</b>   |     |
|            |       | 501 |   | 550 |
| human HGF  | (500) |     | PT <b>R</b> T <b>N</b> I <b>G</b> W <b>M</b> V <b>S</b> L <b>R</b> YRNKHICGGSLIKESWVLTARQCF <b>P</b> S <b>R</b> --DLKDYEAW  |     |
| cyno HGF   | (500) |     | PT <b>R</b> T <b>N</b> V <b>G</b> W <b>M</b> I <b>S</b> L <b>R</b> YRNKHICGGSLIKESWVLTARQCF <b>P</b> S <b>R</b> --DLKDYEAW  |     |
| rabbit HGF | (500) |     | PT <b>R</b> T <b>N</b> V <b>G</b> W <b>M</b> V <b>S</b> L <b>K</b> YRNKHICGGSLIKESWVLTARQCF <b>P</b> S <b>R</b> <b>N</b> KDLKDYEAW  |     |
| mouse HGF  | (501) |     | PT <b>Q</b> <b>T</b> <b>V</b> G <b>W</b> M <b>V</b> S <b>L</b> KYRNKHICGGSLIKESWVLTARQCF <b>P</b> A <b>R</b> <b>N</b> KDLKDYEAW   |     |
| Consensus  | (501) |     | PTRTNV <b>G</b> W <b>M</b> V <b>S</b> L <b>K</b> YRNKHICGGSLIKESWVLTARQCF <b>P</b> S <b>R</b> <b>N</b> KDLKDYEAW  |     |
|            |       | 551 |   | 600 |
| human HGF  | (548) |     | LGIHDVH <b>G</b> R <b>G</b> DE <b>K</b> C <b>Q</b> V <b>L</b> N <b>V</b> S <b>Q</b> LVY <b>G</b> PEGS <b>D</b> L <b>V</b> L <b>M</b> K <b>L</b> AR <b>P</b> AV <b>L</b> D <b>D</b> F <b>V</b> S <b>T</b> I  |     |
| cyno HGF   | (548) |     | LGIHDVH <b>G</b> R <b>G</b> E <b>E</b> K <b>R</b> <b>Q</b> V <b>L</b> N <b>V</b> S <b>Q</b> LVY <b>G</b> PEGS <b>D</b> L <b>V</b> L <b>M</b> K <b>L</b> AR <b>P</b> AV <b>L</b> D <b>D</b> F <b>V</b> N <b>T</b> I  |     |
| rabbit HGF | (550) |     | LGIHDVH <b>G</b> R <b>G</b> DE <b>K</b> R <b>Q</b> V <b>L</b> N <b>V</b> S <b>Q</b> LVY <b>G</b> PEGS <b>D</b> L <b>V</b> L <b>L</b> K <b>L</b> AR <b>P</b> AV <b>L</b> D <b>D</b> F <b>V</b> S <b>T</b> I  |     |
| mouse HGF  | (551) |     | LGIHDV <b>H</b> ER <b>G</b> E <b>E</b> K <b>R</b> <b>Q</b> <b>I</b> L <b>N</b> I <b>S</b> Q <b>L</b> VY <b>G</b> PEGS <b>D</b> L <b>V</b> L <b>L</b> K <b>L</b> AR <b>P</b> A <b>I</b> L <b>D</b> N <b>F</b> V <b>S</b> T <b>I</b>  |     |
| Consensus  | (551) |     | LGIHDVH <b>G</b> R <b>G</b> DE <b>K</b> R <b>Q</b> V <b>L</b> N <b>V</b> S <b>Q</b> LVY <b>G</b> PEGS <b>D</b> L <b>V</b> L <b>L</b> K <b>L</b> AR <b>P</b> AV <b>L</b> D <b>D</b> F <b>V</b> S <b>T</b> I  |     |
|            |       | 601 |   | 650 |
| human HGF  | (598) |     | D <b>L</b> P <b>N</b> Y <b>G</b> C <b>T</b> I <b>P</b> E <b>K</b> T <b>S</b> C <b>S</b> V <b>Y</b> G <b>W</b> G <b>Y</b> T <b>G</b> L <b>I</b> N <b>Y</b> D <b>G</b> L <b>L</b> R <b>V</b> A <b>H</b> L <b>Y</b> I <b>M</b> G <b>N</b> E <b>K</b> S <b>Q</b> H <b>H</b> R               |     |
| cyno HGF   | (598) |     | D <b>L</b> P <b>N</b> Y <b>G</b> C <b>T</b> I <b>P</b> E <b>K</b> T <b>S</b> C <b>S</b> V <b>Y</b> G <b>W</b> G <b>Y</b> T <b>G</b> L <b>I</b> N <b>Y</b> D <b>G</b> L <b>L</b> R <b>V</b> A <b>H</b> L <b>Y</b> I <b>M</b> G <b>N</b> E <b>K</b> S <b>Q</b> H <b>H</b> R               |     |
| rabbit HGF | (600) |     | D <b>L</b> P <b>N</b> Y <b>G</b> C <b>I</b> I <b>P</b> E <b>K</b> T <b>A</b> C <b>S</b> V <b>Y</b> G <b>W</b> G <b>Y</b> T <b>G</b> L <b>I</b> N <b>S</b> D <b>G</b> L <b>L</b> R <b>V</b> A <b>H</b> L <b>Y</b> I <b>M</b> G <b>N</b> E <b>K</b> S <b>Q</b> H <b>H</b> <b>Q</b>        |     |
| mouse HGF  | (601) |     | D <b>L</b> P <b>S</b> <b>Y</b> G <b>C</b> T <b>I</b> P <b>E</b> K <b>T</b> <b>T</b> C <b>S</b> I <b>Y</b> G <b>W</b> G <b>Y</b> T <b>G</b> L <b>I</b> N <b>A</b> D <b>G</b> L <b>L</b> R <b>V</b> A <b>H</b> L <b>Y</b> I <b>M</b> G <b>N</b> E <b>K</b> S <b>Q</b> H <b>H</b> <b>Q</b> |     |
| Consensus  | (601) |     | DLPNYGCTIPEKTS <b>C</b> S <b>V</b> Y <b>G</b> W <b>G</b> Y <b>T</b> G <b>L</b> I <b>N</b> Y <b>D</b> G <b>L</b> L <b>R</b> V <b>A</b> H <b>L</b> Y <b>I</b> M <b>G</b> N <b>E</b> K <b>S</b> Q <b>H</b> H <b>R</b>  |     |
|            |       | 651 |   | 700 |
| human HGF  | (648) |     | G <b>K</b> V <b>T</b> L <b>N</b> E <b>S</b> E <b>I</b> C <b>A</b> G <b>A</b> E <b>K</b> I <b>G</b> S <b>G</b> P <b>C</b> E <b>G</b> D <b>Y</b> G <b>G</b> P <b>L</b> V <b>C</b> E <b>Q</b> H <b>K</b> M <b>R</b> M <b>V</b> L <b>G</b> V <b>I</b> P <b>G</b> R <b>G</b> C               |     |
| cyno HGF   | (648) |     | G <b>K</b> V <b>T</b> L <b>N</b> E <b>S</b> E <b>I</b> C <b>A</b> G <b>A</b> E <b>K</b> I <b>G</b> S <b>G</b> P <b>C</b> E <b>G</b> D <b>Y</b> G <b>G</b> P <b>L</b> V <b>C</b> E <b>Q</b> H <b>K</b> M <b>R</b> M <b>V</b> L <b>G</b> V <b>I</b> P <b>G</b> R <b>G</b> C               |     |
| rabbit HGF | (650) |     | G <b>K</b> V <b>T</b> L <b>K</b> E <b>S</b> E <b>I</b> C <b>A</b> G <b>A</b> E <b>K</b> I <b>G</b> S <b>G</b> P <b>C</b> E <b>G</b> D <b>Y</b> G <b>G</b> P <b>L</b> V <b>C</b> E <b>Q</b> H <b>K</b> M <b>R</b> M <b>V</b> L <b>G</b> V <b>I</b> P <b>G</b> R <b>G</b> C               |     |
| mouse HGF  | (651) |     | G <b>K</b> V <b>T</b> L <b>N</b> E <b>S</b> E <b>L</b> C <b>A</b> G <b>A</b> E <b>K</b> I <b>G</b> S <b>G</b> P <b>C</b> E <b>G</b> D <b>Y</b> G <b>G</b> P <b>L</b> I <b>C</b> E <b>Q</b> H <b>K</b> M <b>R</b> M <b>V</b> L <b>G</b> V <b>I</b> P <b>G</b> R <b>G</b> C               |     |
| Consensus  | (651) |     | GKVT <b>L</b> NESE <b>I</b> CAGAEK <b>I</b> GS <b>G</b> P <b>C</b> E <b>G</b> D <b>Y</b> G <b>G</b> P <b>L</b> V <b>C</b> E <b>Q</b> H <b>K</b> M <b>R</b> M <b>V</b> L <b>G</b> V <b>I</b> P <b>G</b> R <b>G</b> C   |     |
|            |       | 701 |   | 731 |
| human HGF  | (698) |     | A <b>I</b> P <b>N</b> R <b>P</b> G <b>I</b> F <b>V</b> R <b>V</b> A <b>Y</b> Y <b>A</b> K <b>W</b> I <b>H</b> K <b>I</b> I <b>L</b> T <b>Y</b> K <b>V</b> P <b>Q</b> S  |     |
| cyno HGF   | (698) |     | A <b>I</b> P <b>N</b> R <b>P</b> G <b>I</b> F <b>V</b> R <b>V</b> A <b>Y</b> Y <b>A</b> K <b>W</b> I <b>H</b> K <b>I</b> I <b>L</b> T <b>Y</b> K <b>V</b> P <b>Q</b> S  |     |
| rabbit HGF | (700) |     | A <b>I</b> P <b>N</b> R <b>P</b> G <b>I</b> F <b>V</b> R <b>V</b> A <b>Y</b> Y <b>A</b> K <b>W</b> I <b>H</b> K <b>I</b> I <b>L</b> T <b>Y</b> K <b>V</b> P <b>Q</b> <b>P</b>   |     |
| mouse HGF  | (701) |     | A <b>I</b> P <b>N</b> R <b>P</b> G <b>I</b> F <b>V</b> R <b>V</b> A <b>Y</b> Y <b>A</b> K <b>W</b> I <b>H</b> K <b>V</b> I <b>L</b> T <b>Y</b> K <b>L</b> ---   |     |
| Consensus  | (701) |     | AIPNRPGIFVRVAYYAKW <b>I</b> H <b>K</b> I <b>I</b> L <b>T</b> Y <b>K</b> V <b>P</b> Q <b>S</b>   |     |