## Exploring the evolution of protein function in Archaea

Alexander Goncearenco and Igor N. Berezovsky

## **Additional File 1**

The list of 525 sequence profiles. Sequence logo were generated with Weblogo 3. The numbering is sparse. Profiles with serial numbers above 500 were not clustered in order to remove redundancy, therefore there can be similar logos in the list. The value K specified in brackets denotes the number of non-redundant archaeal sequences comprising the profile.

L<mark>Kec</mark>G₹ ≈<mark>₽</mark>₽√₽ <u>⋥⋴⋝∊</u>┟<u>⋇</u>⋻<mark></mark>⋳⊳∊ ¥≡∎Ĭ ᡫᠸᢩᠺᡖᢧᡓ<sub>ᢁ</sub>ᡦᢩ<mark>ᠴ</mark>᠌ᡚᢛᢓ<mark>ᢝᢄᢄ᠔</mark>ᢑᢄᢢᢆᢣᡖ᠄ GE Star <sub>≚</sub>⋬⋛⋥⋤⋵⋎⋵⋟<mark>⋧</mark> 4.0 20 3.0 <sub>₽</sub>⋦<mark>┇</mark>₽<u></u>⋧<mark>₿⋩⋹</mark>₿₿ Ŷ<mark>ĸġ</mark>₽₽₽<u>₽</u>¥¥<u>₹</u>€ RY<sub>r</sub>smali <mark>E</mark>ely<sub>ese</sub>d. 4.0 20 2.0 ≧≊≣₿₿ <sup>™</sup> ኟኟኟ**ዸዸዸዸዸዸ** ¥<u><u>t</u>a<mark>P</mark></u> IGFv(iL₹ - AD ₋Ċ<mark>Ĺ</mark>ĸŦĿĠŢġĘŢŶŶŎġ<mark>ŇĸŷŖ</mark>ţĕ<u>ġĸĔ</u>ŧġĔŧġĸĔġ <u>GR\_YVTPDDVKa\_AaeXLSHRY</u>J ┰<mark>┖╺</mark>┋Ұ EAS E BELTE PETER **S**FAB 

4.0 gg <sup>3.0</sup> 2.0 1.0 4.0 st 3.0 2.0 SEXESTER SECTION 4.0 29 3.0 21 2.0 월 2.0 ₽IJŢ<u>╳</u>⋛ġ⋸⋶**≈**<u>⋛</u>⋛⋵⋧⋧⋳⋸⋇⋸⋜⋼⋳∊⋼⋷⋼ <mark>≣∎≚∎≣<mark>∑</mark>₿₿¥ι</mark> 82 20 10 **IPR** . ₩₽85₽ <sup>g<sup>30</sup></sup>20 10 ESEEEEESTERTERY <u><u>EAGERY</u>EVUDSGEECSRYER</u> g<sup>30</sup> 10 00 ⊻A<mark>rb≿</mark>G₹ 4.0 4.0 4.0 2.0 1.0 g 3.0 ₽₹<mark>₽</mark>₽₽ <mark>⋶⋻<mark></mark>₽₿<u></u>╞⋧<sub>⋽</sub>⊽⊻₀с</mark> ¥**E<sup>QT</sup>BEN**ES 30 20 10 sezelegeeeeeeeee Yr ₽₽ 20 10 10 <sub>⋻⋧⋨</sub>₽<sub>≚∓</sub>⋳<sub>∊</sub>⋹⋎⋳<mark>ӯ</mark><del>⋦</del>⋳⋦⋸<mark>⋎⋻⋳⋼∊</mark>⋳<u></u>Ҭ∁⋩₩<u></u>⋦⋧₽⋳ Teese Etcher

4.0 20 <mark>∊⋨⋼⋼⋼⋧⋫⋎⋰</mark>⋎⋖⋧<mark>⋛⋚⋐</mark>Ţ<mark>⋇⋭⋨⋧⋴⋦⋳⋭∊⋪⋉⋼⋼</mark>⋳⋴⋼<u></u>⋶⋴⋾<u></u>⋶⋴⋎⋒⋨∊⋴⋛⋷⋡⋴⋭⋹⋼⋭ ∊∊⋹⋵⋧⋍⋬⋴⋹⋴⋵⋩⋹⋼⋵⋹⋼⋴⋹⋼⋻⋥₽⋤⋭⋶⋎⋎<mark>⋻</mark>⋹⋗⋎∊⋹⋧⋎⋍⋳∊⋵⋳⋎⋳⋧⋼⋹⋳ 4.0 30 30 20 4.0 30 2.0 ╶<u>⋦</u>╶<u></u>Ŀ<sub>┲</sub>┰<sub>┲</sub>⋦<mark>₽</mark><u>╒</u><u>┡</u>╒╷<mark>╱</mark>₽<mark>⋳</mark><sub>⋧</sub>⊻⋇<u></u>ӯ┰<mark>┠</mark>⋩<u></u>┎<sub>┲</sub><sub>┲</sub>╘<sub>┲</sub>с<sub></sub>х<sub></sub>х<sub></sub>х<sub></sub>, <sub></sub> 

⋰⋻⋻⋳⋳⋧<mark>⋼⋼⋼⋟⋇⋶⋶⋳⋷</mark>⋐⋴⋼⋼⋸⋳∊⋶⋚∊<u>⋶</u>⋧⋹⋛⋳⋭⋎⋳⋩⋤⋷⋸⋵⋛⋶⋭⋤⋭⋚⋷⋏⋎⋴⋶⋸⋻⋏⋭⋏ 4.0 stig 2.0 <mark>⋷∊∊⋇⋶⋼⋳⋈⋷∊</mark>⋏⋨<mark>∊⋌⋎⋻⋼⋎⋏⋴∊⋇⋵⋵⋠⋻</mark>⋧⋧⋼₿⋳<sub>⋛⋴</sub>⋳∊ Ĩ Ĩ Ĩ ∊∊∊⋚⋍<u>了</u>⋼⋸⋴<mark>₽⋶⋸⋐⋴⋎₿₿⋴⋨⋼⋍⋸⋴</mark>⋨⋴⋳⋳⋠<mark>⋰⋈∊⊺⋚⋻⋴⋼∊⋨⋳∊⋴⋨⋴⋴⋼⋇⋳⋶</mark> 4.0 3.0 2.0 1.0 <mark>⋰</mark>₽⋻⋾⋍⋸⋟⋧⋶⋶⋵⋼⋷⋾⋶⋵⋚⋶⋨⋏⋏⋩⋗⋀⋎⋺⋻∊∊⋸⋶⋶∊⋹⋶⋟⋸∊∊∊⋵∊∊⋾⋧⋷⋼⋧⋷∊∊ <mark>∊∊∊</mark>⋤∊∊⋶∊∊⋳⋷⋼⋷⋼⋷⋧<mark>∊∊⋎</mark>⋳⋠⋎⋳<u></u>⋤⋵⋎⋎⋈⋼⋈⋠⋎∊<mark>⋶</mark>∁⋠⋤⋹⋶⋳⋨⋈⋵⋬⋲⋚<mark>⋷</mark>⋨⋹⋼⋼ 

<mark>⋶⋫⋴⋴∊⋶<mark>∁⋶</mark>Ӌ<mark>⋷</mark>└⋬<mark>⋵<mark>╞</mark>┇<mark>╴</mark>┠<u></u>⋳⋳<mark>∁</mark>⋭⋠<u></u>∊⋳⋎⋼⋶⋶<mark>∁</mark>₿<u></u>⋬⋦<mark>╞⋶⋹</mark>⋧⋤<mark>⋹⋴</mark>⋦∊⋻≿⋼⋷∊</mark></mark> 4.0 20 2.0 <sup>⋬⋬</sup><mark>⋤∐⋨⋚⋠⋎⋎</mark>₽⋧⋥<mark>∊⋼</mark>₽⋎⋎⋳⋻⋹⋷⋧⋟⋼⋴⋩⋳⋷⋎⋎⋷⋧⋇⋼⋼⋳⋠∊∊⋷∊⋦∊∊∊∊∊ <u>∊</u>Ѧ<mark>Ŗ<sub>⋗</sub>⋇</mark><mark>∁⋧⋹<mark>ਲ਼</mark>┶⋹⋵⋵<mark>⋤</mark>⋹<mark>р</mark>┟⋎∊⋵⋪Ŗ⋪⋸<mark>∁⋼⋷∊∊</mark>⋏⋶∊⋷⋕<del>⋎∊</del>⋿⋈⋧∊⋳⋗⋎⋨∊⋵⋷∊</mark> 4.0 gg <sup>3.0</sup> g <sub>2.0</sub> 4.0 910 2.0 1.0 4.0 20 2.0 <mark>∊∊∊∊∊∊</mark>⋳⋼⋏∊⋡⋴<mark>∁</mark>⋇⋎∊⋾⋇⋼⋷⋳⋳⋼⋾⋲⋶∊⋫⋴<mark>∁∊</mark>⋾⋳∊⋟⋴⋟ ⋳<mark>⋶⋳⋇⋟⋍⋳⋼⋳∊⋳⋨</mark>⋦⋸∊⋼<del>⋳</del>⋹⋳⋨⋨⋩⋩<mark>⋏</mark>⋓⋻∊∊⋨⋳⋸⋼⋺⋩⋹⋼⋟⋌⋻∊⋩∊⋹⋴⋼⋳⋦⋦⋨∊⋼ <mark>∊∊∖⋳</mark>⋩<mark>⋼∊⋣∊⋴⋎⋴⋴∊⋴⋼</mark>⋧⋴∊⋎∊⋴∊∊ <mark>⋶<sub>⋤∊⋵</sub>⋾⋵⋷⋾⋧⋤⋎⋎⋛⋵⋎⋴⋽∊⋈⋎⋈∊⋎⋺⋎∊<mark>⋶</mark>⋒⋾<mark>⋷⋶</mark><u></u>∁⋳<mark>⋤⋒⋳</mark>⋳⋳⋼⋳</mark> 

<sup>⋬</sup> <mark>Ҩ<sub>҄</sub>ҧҵҡ<mark>╤</mark>Ӌ҈<mark>ҫѻҕҕ</mark>ӯҡҾ<mark>ҫ҇<mark>Ѻ҂</mark>ҲӌҲ<mark>ҏҫѱҕ҇ӄҲҎѻѺ</mark>ҫӡҲӯҕҫ<sub>ѩ</sub>ҙҍѵҏҕѯѧҫҬҪ<mark>ҫ</mark>ѯ<sub>ҽ</sub>ҁϫ</mark></mark> ⋰<mark>₽</mark>₽₽⋨⋭⋍<mark>₽</mark>┞⋧ё⋤⋸⋹⋎⋀⋳⋸<mark></mark>Т⊼⋍⋟⋻⋳⋽⋵<u>₽</u>₽₽ 4.0 80 2.0 <mark>⋇⋹⋕⋼⋶</mark>⋨⋻⋻⋳⋧<mark>⋕⋈</mark>┰∊<mark>⋹</mark>⋪⋧∊⋩⋪⋼∊⋩⋹⋵⋭⋺⋤⋧<mark>⋶⋎</mark>⋎⋭⋬⋧⋶⋵∊∊⋷⋴⋻⋻⋤⋾⋹⋳∊∊ 4.0 sig 2.0 ∊⋿⋍⋦⋻⋹⋳**⋳**⋧⋝⋨<u>Ť</u>⋳<sup>⋨</sup>⋛⋛<mark>∁</mark>⋸<u></u>⋰<mark>⋦</mark>⋨<sup>⋧⋍</sup>⋚⋩⋶⋷⋻⋛⋳⋩⋏⋷⋨<u>⋦</u>⋬⋳∊∊⋳⋛⋴∊∊⋹⋛⋴∊∊⋹∊ **┚<mark>┍</mark>┫┺╩Е<sup>┲</sup>╍न፼ᠴ<mark>ଌ</mark>╒╡╝╴ଡ଼<mark>┢</mark>╘┩<u>┽</u>┝<u>╷╄</u>┺ड़╩<u>⋶⋶</u>╘┋┇┸<u>ਞ</u>╘₽⋷⋸<mark>ҫ</mark>┲⋴⋷<sub>₽</sub>⋧⋹∊∊</u>**  ⋇⋍⋍⋨⋼⋳⋴⋽⋞∊⋼⋴⋳⋫⋧⋀<mark>⋦⋏⋩</mark>⋦⋳⋟⋔⋠⋧⋨⋍⋟<mark>⋠⋦</mark>⋍⋦<mark>⋫⋷</mark>⋿⋛⋳⋼⋏⋦<u>⋾</u>⋦й⋵⋍⋹<mark>ӄ</mark>ё ⋰⋵⋜⋓⋐⋵≚<mark>ϐ</mark>ڲ<mark>)</mark>ŇΫ⋝<mark>⋶</mark>⋑⋚⋻⋇⋦⋶⋍⋳⋦⋻⋍⋩⋝⋼⋵⋩⋳⋍⋛⋭⋇⋎⋳⋬⋴⋦⋳⋳⋧⋩∊⋍⋹⋶⋾ 

<u>⋒</u> ⋳⋳∊∊⋴<del>∊⋼⋻⋳</del>⋵⋼⋼⋼⋳⋳⋍⋨⋴⋳⋩⋳⋶⋴⋸⋨∝⋴⋹⋎⋹⋸⋏⋼⋳⋏∊⋳⋰⋳⋳⋎∊⋏⋎⋏⋾∊⋠⋻ 4.0 20 2.0 4.0 91 2.0 1.0 ∊⋳∊⋤⋇⋹⋸⋳⋓⋇⋻⋻⋻⋳⋒⋎⋸⋇⋹⋳⋵⋭⋈<mark>₽</mark>⋸⋳⋎⋤⋤⋧⋳⋏∊⋒⋳⋳ 4.0 20 2.0 <sup>⋳</sup><mark>╝┟┘ҏҏ҅<mark>╴</mark>ӗЀѰҊҬҬҏӄЀӏӵѽ҄҄ӽҧѼӟҍҫҁ҇Ӫӯҽ҄ӯ҂҂ӯҁӡӄҫ҂҃ӽҽѯҽӫҁѧҥӡѽӹӗҏҩӥ</mark> NASTEAARAGE & GEGEAVIASEVK LAEES SCREETER SCREETER 4.0 80 2.0 4.0 \$1 2.0 ∊Ĕ⋤⋼⋛⋳⋶⋍⋍<mark>⋚⋼</mark>⋻⋜⋳⋨∊⋸⋧⋵⋚⋛<mark>⋧</mark>⋧⋩<mark>⋦⋩⋤⋏⋚⋷∊</mark>⋏⋳<mark>⋏⋳</mark>⋼⋎⋎⋵⋧<mark>⋕⋻⋎⋳</mark>⋚⋎⋉<sub>⋣</sub>⋴⋻<mark></mark> 4.0 80 2.0 4.0 sg 3.0 ╔┍┲╺<del>╒╪</del>⋻<del>╪</del>ѧ⋴┊⋴</del>⋸⊼<mark>╘</mark><mark>┝╊⋼⋛∊<mark>Ӑ</mark>ӟ⋑⋚<u></u>Ѐ⋷⋳⋡⋼<mark>Ӗ⋼</mark>Ҕ⋋⋏<u></u>在⋨⋛⋛⋚⋧⋳∊⋶<mark></mark>⋏т⋧</mark> <del>⋋⋍⋷⋏₿</del>⋭⋹⋎⋦<sup>⋸</sup>⋭⋛⋳⋧⋭∊⋛⋹⋎<mark>∁⋶</mark>⋏<u></u>⋶⋪⋎⋵⋳⋍⋳⋹⋧⋳∊∊⋹⋼⋺⋦⋳⋴∊∊⋼ ≝ ┋ ┋ ॾॾॺढ़॔ज़<mark>ॻॡॖॖॖॖ</mark>ॕऀ<del>ॖ</del>ऀॾ<del>ढ़</del>ऀॻॕ<mark>ऀ</mark>ॾऀढ़ॖॕॾॾॾॾॾॾढ़ ॾ

┙ ┶┶┲┲<mark>┲┍┲┲┲┲┲┲┲┲┲┲┲┲┲┲┲┲┲┲┲</mark> 4.0 20 20 ĸġĿ੶×Ŕਫ਼ਲ਼<mark>ਖ਼</mark>ſſĸ<u>Ŕĕ</u>ŧţŊ<mark>ſ</mark>ĹĊ°Ăĕ<sup>Ĕ</sup>ݞſ₽Ŗġ<sup>੶</sup>≦<mark>ġĸĔ</mark>ŶŔ₽Ŏ<sup>ĸ</sup>ĔġĔĔĔĔ <sup>⋴</sup> <sup>┪</sup> <sup>┪</sup> ⋰ ŢŗĔĸĜŧ₽ŨĨġĸĔŖŧĔŖġġĸĹŨĨġġźĔŶġĔġġĔġġŢŶĸĔŊŶċġĝġġĸĸĠĸġ ⋬⋼ ⋬⋼ 4.0 \$10 2.0 1.0 ⋰⋒⋾∊⋼⋵⋖⋴⋹<mark>∁</mark>⋖⋶⋧<mark>⋡∊⋠⋸⋳∊∻⋩⋸⋭⋼⋶⋸∊⋜⋴⋾</mark>⋎⋧∊<mark>⋵</mark>⋡∁⋎⋵⋢<sup>⋠</sup>⋛⋵ө⋶<mark>⋛</mark>⋶⋭⋸⋗⋠ 

4.0 20 20 4.0 20 20 ੑ<mark>ਫ਼</mark>ਖ਼ਫ਼ਖ਼ਖ਼ਖ਼ਖ਼ਫ਼ਫ਼ਫ਼ਫ਼ਫ਼ਸ਼ਫ਼ਖ਼ਖ਼ੑਸ਼ੑਸ਼ੑਫ਼ਫ਼ਫ਼ੑਸ਼ਫ਼ਫ਼ਫ਼ਜ਼ਫ਼ਫ਼ਫ਼ਫ਼ਫ਼ਫ਼ੑਸ਼ੑਸ਼ੑੑੑੑ<mark>ੑੑੑੑੑੑੑਸ਼ੑੑੑ</mark>ੑੑੑੑੑਲ਼ੑੑਫ਼ਫ਼ਫ਼ਫ਼ੑਸ਼ੑੑਸ਼ਖ਼ੑਸ਼ੑਖ਼ੑੑੑਸ਼ 4.0 20 2.0 ∊⋴⋍⋼⋳⋼<mark>⋇</mark>⋿⋈⋌**∱**⋏⋏⋈⋬<mark>⋸⋛╢</mark>⋖⋩<mark>⋳⋒⋎<mark>∁</mark>⋑<mark>∁⋍∁⋸⋦⋎⋳⋳⋹⋳⋍⋇⋴⋴∊⋴</mark>⋦⋈⋳∊⋼⋧</mark> 4.0 20 <u>╺</u>╺╺╺┶┶┶┷┷ <u>∊∊⋷⋼∊⋼⋼⋼⋼⋼⋼⋼⋼⋼⋼⋴⋼⋴⋷∁⋷∊∁⋳∊⋼⋩⋼⋼≿⋳⋼∠⋳⋼∊⋧⋪⋴</u>⋤∊⋳⋳⋼⋧<u></u>⋏⋴**⋷∁⋴**⋼ <u>⋰</u>ĊĊġ**₽**₽₿ġĕĿĞġĿĿ<mark>Ĭĕ</mark>ŗĔ⋼<mark>X</mark>Ĕ<mark>ĹŢ**⋸**⋼<mark>Ĺ</mark>Ŗ₽₿⋨<u>₿</u>⋧⋧<sub>Ĩ</sub>₽<mark>∁</mark>Ļ<u></u>⋦₿₽₽₽₽</mark> 4.0 80 2.0 

<sup>⋬⋽</sup><mark></mark>⋕⋦⋷<mark>⋻⋴⋿⋗⋼⋳∊</mark>⋜⋼⋚⋨<mark></mark>⋰⋳⋈⋎⋎⋎⋳⋹⋳⋧<mark>⋿</mark>⋶∊⋴⋦⋹∊∊⋷⋼∊⋨⋼⋌⋣⋎<u>⋷₿</u>₿⋶⋎⋚∊⋼⋾ <sup>⋬</sup>┊<mark></mark><mark>₽<mark>∠↓≈<mark>№</mark>∊⋨≜Û⋵⋸↓<del>⋟∊</del>⋸₿₽⋶⋴</del>┰Ũ<u>₽</u>↓<u></u>⋤<u></u>⋧⋳⋳∊⋒Û∊⋎∊₽</u>⋏⋴⋶⋤⋥⋶⋳⋤<mark>⋷∊</mark>₿⋳∊⋩</mark></mark> ≝⋺⋨⋦<mark>∁⋴⋵</mark>⋨⋈⋎⋳⋇⋖⋨⋴⋴<mark>∊</mark>⋧⋾⋦⋨⋬<mark>⋸⋏⋻⋻</mark>⋭⋳<mark>∁</mark>⋹⋷⋶⋹⋎⋴⋇⋧<mark>⋏⋧⋦</mark>⋷⋨ ₽₽ŢŶ<mark>ſ₽</mark>₽ŢŴ<mark>"₽</mark>₽₿⋈<u></u>ġ<u>₩₽₽</u>Ţ<u>ġ</u>Ÿ₽±ġŢŗ<u>₩</u>₽<u>₹</u>₩¥Ĭ÷ġ <u>ଌଡ଼</u>ୣ୶୳ଌ<sub>ୖଽଢ଼</sub>ଌ୶ୄୠୢଽ<mark>୶</mark>ଽୢୢ୕୷<mark>ୄ</mark>ଽ୷<mark>ୄ୳</mark>ୖୄଌୄ୷ୢ<mark>ୄ</mark>ୖୄୄୖୄୄୄୖୄୄୄ୷ୄୢୖ<mark>୵</mark>ୖୄୄୡୢୄ୷୷ୠୄ୷ୡୢୢ୲ଽ୲ଽଌ<sub>ୖ</sub>ଢ଼୷ୠ<sub>୵୴</sub>ଢ଼ୢୢୄ</mark>୳ 4.0 \$10 2.0 <mark>⋓⋻⋍⋴⋈⋏</mark>ҔҞѧ<u>ӐӐ</u>Ӑ<mark>ѲЀ҂⋶ӫ</mark>ѽ҄ӟҲ҄ҬӾ҄ӫ҄ѲӃҌӵ<sup>ѩ</sup>Ѐҕ҄ӽӟӽ҃ҥӻҏҏЀӽ҃҄҄җӟ҂ҫӹҍ҂ҽӫ  <sup>⋬</sup> <mark>⋎⋜∊<mark>∁</mark>⋧∊⋦⋳⋜⋴⋇⋦∊∊⋵∊⋎⋻⋶∁⋹⋎⋶⋎⋹⋼**₽**⋾⋛⋇⋾⋎∊∊⋴⋨⋴∊∊⋸⋳⋴⋷⋎⋰⋎⋳∊∊</mark> <sup>⋬⋬</sup> <mark>⋿⋍∊∊⋧⋎⋼⋲⋧⋹⋍¢</mark>⋭⋷⋩⋏<mark>⋰</mark>⋒<mark>⋶∊⋼</mark>⋩<mark>⋧∊</mark>⋚⋨⋭⋩⋶⋶<mark>∊</mark>⋚⋎⋶⋏⋷⋛⋞⋕⋧<mark>⋏</mark> 4.0 3.0 2.0 <u>≈≈⋳⋼⋬⋷⋎⋛∊⋛⋹⋻⋵⋷⋳⋳∊⋹⋹⋻</u>⋼⋧<mark>⋤∊</mark>⋕∁⋷⋇⋫⋬<mark>∁</mark>⋎⋳⋎⋳⋎⋥⋶ <sup>╔</sup>╔<mark>╪╘┍╴╴┲╘</mark>┟╘<sup>╸</sup>┺<mark>╔┢╸<mark>╄</mark>╺<sup>╱</sup>╛╘<sup>╸</sup>┺<mark>╽</mark>╝┟╩┠<mark>╘┎╘╘╘</mark>╘╴┾╝┺<mark>╟</mark>╸</mark> 4.0 20 2.0 4.0 \$10 2.0 <sup>⋬⋬</sup><mark>╞┨<mark>╘</mark>⋳⋺⋎<mark>ੵ</mark>⋾Ŋ⋶⋶⋬<mark>∁⋶⋲∁⋼∊⋹</mark>₿<u>₽⋶⋼</u>┰<mark>∁</mark><u></u>┚<u></u>┨⋼<mark>⋩</mark>а8∊⋼<u></u>Ç∝<mark>⋎∊</mark>вұ́ссса<mark></mark>ұ∞<del>ҫс</del>а</u></mark> 4.0 20 2.0 ⋗⋦⋻⋶⋣⋋<mark>∁∊<mark></mark>⋻⋜<mark>⋿</mark>⋳⋶⋹⋧⋹∊⋍<u></u>⋎⋧⋳⋵⋟⋹⋢⋧∊⋶⋳⋷⋧⋼<del>∊</del>⋧⋷⋦⋧⋳⋦⋧⋳⋦⋳⋳∊∊∊∊∊</mark> <sup></sup>╔╞┍╗┿┍┰┋╋╤╬╤╒┍<mark>ӽ</mark>ѽ╧<u>╘</u>ӥ╱┷<mark>╝</mark>┞╍┇┇┚╛╝╴<mark>╘</mark>╝┨╖╘┊╲╿╴┼┑<mark>╲</mark>╘╷<mark>┝</mark>ӺぶҪ<sup></sup>┇╲┏</sup>┋ 4.0 4 2.0 <sup>⋬</sup><mark>⋓⋶⋕∁Ĩ<mark></mark>₽⋰<mark>∁</mark>⋐<mark>₽</mark>┰⋶⋾⋷⋶∊⋰⋳⋼⋼⋇<mark>⋳</mark>⋰<u></u>⋧⋳⋲⋼⋪⋇⋼⋶⋾⋇⋼⋣∁⋲∊∊∁∊⋎⋚∁⋎⋲∁</mark> <mark>⋧⋇⋴⋇₿⋻⋇⋏⋖⋏⊼⋾⋍⋴⋭⋹⋍⋦⋠⋏в⋴</mark>⋍⋩<mark>⋦⋍</mark>⋭⋶⋍⋖⋼⋭<mark>∂≍</mark>⋏х⋫х⋴⋳∊∊⋨ 

4.0 20 4.0 310 1.0 0.0 ŢĹĹŴĹŶĔĠŇŦŊĬŎſĬĴ<mark>Ġ</mark>ĔĔŔĸĔĸĔ<u>Ť</u>ġ<u>Ŗ</u>ĔĸĔŢĔĸĔĔĸĠŖĔŖĸĔġĊĔĸŖĸĔ <sup>⋬┋</sup><mark><mark>╞<mark>┎</mark>┠<mark>╱╘╲╒╕</mark>╊╔<mark>┆<mark>┙</mark>╔╴╝<mark>╘╟</mark>╔┽<mark>╹╷╘╘</mark>┵<sup>┺</sup>╤╚╲┧╘<sup>┷</sup>┾<mark>╚</mark>╚╺⋛⋍╒⋦⋍⋩⋧⋧<mark>₽</mark>╨╤<mark>┍</mark>┺╘<sup>╝</sup></mark></mark></mark> 4.0 3.0 2.0 1.0 ⋳⋿⋶∊⋭⋳∊⋻⋬∊⋼⋟⋳⋼⋻⋵∊⋤⋳⋶⋎⋎⋎⋎ ⋓⋶∊⋵⋳⋷⋨⋳⋼⋻⋵∊⋤⋳⋳∊⋳⋳∊⋳⋎⋎⋎⋎ 4.0 still 2.0 1.0 <mark>∊⋶⋎</mark>⋤⋼⋲<mark>⋤∊</mark>⋺⋫⋻⋎∊⋶⋳⋳⋎⋎⋦⋎⋻⋻⋹∊⋼⋳∊⋨⋎⋎⋼⋪∊⋳∊⋼∊∊∊ ⋼<mark>⋼⋹⋭⋳⋌⋼⋧⋳⋖⋻⋨⋸⋹⋸⋸⋵∊</mark>⋸⋸⋹<u>⋶⋨⋳⋍⋳⋡⋸∊⋦⋷⋴⋼⋩⋷⋳⋫⋛⋧</u>⋟⋳<mark>⋚⋒⋳⋻</mark>⋸⋚⋍<u></u>⋎⋍⋶⋵

<sup>╻</sup> <mark>╔╷┝╪╪╖┍╖╖┍┍╖╖┍┍┙┙<mark>┍╌┢╌┟</mark>╌<mark>╞╴┊╴╄╒┙┙┍┙┍┙┙┙┙┙┙┙┙┙┙┙┙┙┙┙┙┙┙┙┙┙┙┙┙┙┙</mark></mark> 4.0 stig 2.0 ⋼⋼⋎⋇⋠⋨⋽<mark>⋹⋵⋬⋶⋎⋏⋳</mark>⋛⋧<mark>⋹</mark>⋡∬⋶<mark></mark>Ӻ<u>⋎⋴</u>⋹⋳⋳∊∊⋠<mark>⋶</mark>⋻⋳⋒⋨⋒⋹⋳⋴⋼∊⋳⋳⋼ ĨĨĨ<mark>ġŗĘġŗĘţŗċĘġ</mark>Ģġġ<mark>ŖĊŔŴŨIJŶĔŔĊĊĬĬ</mark>ŗijĿĠĿ<mark>ġ</mark>ŖŢ<mark>Ŗ</mark>ĔġžŗĔĔ<u>Ŗ</u>₽ġĿĔĻ <sup>⋬⋽</sup><mark>⋼<sub>⋎</sub>⋦Ļ<sub>⋺</sub>⋥⋚⋲∊⋨⋨∊⋧⋦⋧∊⋶∁⋎∊∊∁∊⋎⋦⋎⋎⋵⋳⋳∊⋎</mark>⋻∊<mark>⋎</mark>⋼⋎⋶ 4.0 20 2.0 4.0 sig 2.0 <u>⋈⋳∊∊⋼⋇₿₿⋳</u>Ӯ⋧⋇⋎<mark>Ę</mark>⋛⋼⋇⋳⋤⋧⋳∊⋫<u></u>ĨХ<mark>∊</mark>⋿Ӎ⋎∊⋸⋷⋡⋴⋍∊⋳⋋⋤⋴⋼⋿⋴⋴⋴⋭⋜∊∊ <sup>⋬</sup><mark>₿<mark>₽≈⋇⋥⋼⋶₿₽⋟⋇⋼⋼⋧⋌∊⋨⋕₿⋼**⋣**⋳⋤∊<mark>⋿</mark>⋳⋜⋼⋦⋼⋻⋳⋏⋼⋴⋣⋟<mark>⋖</mark>∊⋬⋼<mark>⋵</mark>₽⋼⋏</mark></mark> ∊ ⋤⋎⋨⋩⋤⋧⋎⋩⋣⋐⋎⋩⋤⋐⋎<mark>∊⋎⋐⋳∊⋎</mark>⋻<mark>⋹∊⋳⋳∊⋎</mark>⋻⋹⋧<mark>⋳⋈⋷⋎⋥⋴⋶⋼⋴⋶</mark> ૿ૺ૿ૢૢૢૢૢઌૢૻૹૢઌઽૡ<mark>ૼૢઌ</mark>ઌ૾ૢ૿ૡ૾૾ૺૡૻઌૻઌઌઌૢૢૢૡૻઌૢૻ૱ૹ૾ૢૺૼૼૼઙઌૡૹૻૻૢ૾ૹૡૢૢૢૢૢૡઌૢૢૢૡૹૡૡૡૡ૽ૢૼ૱૱૱ૹ૾ૢ <sup>ૡૡૡ</sup>

<sup>₄</sup>┊<mark>⋻∊⋾⋚⋼<mark>р</mark>⋡Ј∊⋻<mark>⋈</mark>⋹⋇⋝⋵⋶⋳⋴⋳⋍⋵с⋶⋴⋼∊⋶⋷∊⋼⋎⋇⋇<del>⋎</del>⋒⋳⋇⋫⋳∊⋫⋈⋚⋚⋧⋴</del>⋦</mark> ⋰<mark>⋉⋍</mark>⋌⋏⋼౽⋍⋤⋖⋳⋦⋍⋲⋨<mark>∁</mark>⋧⋍⋸<del>⋋</del>⋚⋏₿⋻⋛⋠⋳⋋⋕⋶<sup>⋕</sup>⋩<del>ॻ⋸∊⋛</del>⋍⋸⋍<mark>∁⋷</mark>⋹⋝⋕⋳⋏∊⋌∊∊⋴⋼ <sup>⋇</sup><mark>⋶ѸҞ⋵</mark>ҋҲ⋳<mark>Ӻ</mark>Ӿ҅҂҄ҲѯѠӓҍ҄ӹҌѮӹ҉ӹҲӷӑ҄ӄӽҧҡѽӡӽҥҏӷ҅ѽҹҽҽҌ</mark>҄ӹҏҫӡѿӹҕҽ<mark>ҏ</mark>ӥ **ĨĨĔ**\$₽₽ŎġĔŢ<u>ŗ¥</u>ġ**ġġĔ**Ţġ<mark>sK</mark>ǎx<mark>ŷĔġĔĸ</mark>ġ¥ŖĘġĘ<mark>ĔŗA<mark>B</mark>ġŗaPġŢŢĔŢĎĘĬĎġŢĄ</mark> ⋼<mark>⋺∊⋺</mark>⋝⋭⋝⋭⋦⋧⋬⋧⋳⋧⋤⋳⋵⋳⋳⋼⋬⋳⋼⋏⋨⋚⋨<mark></mark>⋤⋳⋳⋵⋴⋳⋧⋳⋵⋵⋳⋧⋳∊⋳⋨⋴⋳⋳∊∊ <u>aatnredatDealtreorfDrejeyeePoesReelekuuureeer</u>y Ĩ ⋰⋠<mark>⋰⋩⋰⋩∊∊⋰∊⋴∊∊∊∊∊∊∊∊∊∊∊∊∊∊∊∊∊∊∊∊∊∊∊∊∊∊∊</mark> <sup>⋬</sup> <mark>₽∁<mark>⋤</mark>Ļ<u></u>⋧Ų<u>⋎</u>Ӿ<u>⋾</u>ѯ<mark>₽</mark>⋸ӄ⋳⋼<u>⋫</u><u>ҡ</u>℞<u>ҳ</u>℞Ҭ<mark>₽</mark>Ҭ₽Ţ </mark> 

<sup>⋬</sup> ⋈⋳⋷⋪⋨<mark>⊾⋇₂₿⋹⊾⋈₽⋼⋇⋼</mark>⋨Ӿ**⋳**⋜⋳<mark>⋴</mark>₽⋹⋐⋧⋇∊⋉<mark>⋦⋇⋼⋵∁⋪</mark>₽∊⋁⊥⋛₽₽⋨¥⋹⋳⋼⋇⋵⋦ <mark>∊⋴⋇∊⋼⋇⋹⋇⋴⋳⋳⋼⋼⋴∊⋩⋻⋷⋤⋈⋵∊⋩⋳⋼⋨∊₿⋾∊⋣⋨∊⋶⋨⋨∊⋳⋉⋶</mark>⋩⋎⋳∊⋔ <sup>⋬⋬</sup> <mark>⋤≣ଡ଼⋪⋶∁ঀ</mark>⋧⋼⋠<mark>∁⋳</mark>₿⋞<mark>⋤</mark>⋣⋪⋥⋦<u></u>⋕⋇<mark>∁⋹⋇⊎⋈⋴</mark>Б⋹⋩⋼⋇<mark>⋪⋻<mark>⋟⋴⋹</mark>⋎₽⋇⋎⋶⋇⋎⋞⋇⋧<mark>⋧</mark>⋧⋛</mark> <sup>⋒</sup><mark>⋤⋻⋕₽⋴⋩⋧⋴⋩⋶⋚∊⋵⋧⋴⋤⋎⋚<mark></mark>⋭₽<mark>⋤∊</mark>⋤⋶<mark>⋹⋳⋻⋩₽⋶⋌⋳⋎</mark>₽⋰⋳⋎⋶⋬⋎⋳⋧⋎⋎⋎⋻⋼⋼</mark> <sup>⋬╬</sup><mark>Ĕ</mark>┰Ӽਲ਼<mark>ᡷ₽₽⋾</mark>₣<del>ਲ਼</del>ఀ8౽ݠ<u></u>ᡗఴఀ<u>⋧</u>ݠ<mark>ӷ</mark>ਙ<mark>Ĕ</mark>⋜ѯ<mark>Ĕ⋫⋀⋛</mark>Ĕ⋫⋧⋳⋦<sup>⋍</sup>⋦₿Б⋏ҞѼт⋀<mark>Ѽ</mark>ӖӢӍӖӛҊ **∊⋳⋸⋷⋹⋾⋸∊**⋨⋵⋹⋨⋍⋾⋵⋶⋦⋸⋹⋠⋻⋶⋲⋷⋟⋨⋴∁⋧⋩∁∁<mark>⋶</mark>⋼⋠⋈⋸⋴**⋐**⋻⋟⋼⋻⋳⋞⋳⋌∁∊ <sup>⋬</sup><mark>⋩⋴⋎⋎⋼⋐∊⋩⋥⋼⋻⋇⋶⋼⋏⋿⋴⋩⋎⋿⋳⋐⋐⋻⋐⋐∊⋎⋎⋏⋩∁⋳∁⋏</mark>⋷∊∁⋳⋥∊⋷∊⋹⋏⋳⋌⋇⋹ <sup>⋬</sup>╗<mark>╊</mark>⋧⋸<sub>⋍</sub>⋩<mark>⋨⋿</mark>Ҡ⋥⋤<mark>⋤⋧⋧</mark><mark>╢⋳∊⋪⋚⋴∊⋪⋨<mark>⋶</mark>⋼⋵⋼<mark>⋳⋎⋶⋞</mark>∁⋹⋳∊⋎⋕⋎⋳⋤∊⋼⋹⋼⋹⋭</mark> <sup>⋬⋬</sup><mark>⋤⋿⋖⋝⋻∊⋳∁⋴⋋∁╌<u></u>Ͻ⋲⋾⋒⋹∊⋬<mark></mark>┚⋾⋟⋇∁<u></u>⋧⋎∁⋟₽⋻<u></u>⋸⋓⋟ॻ⋎∊⋏⋜⋥⋹⋼∁⋹⋹⋠⋷⋿⋴⋏⋇</mark> 

Ŵ<u>Ċ</u>ĿŢġŗ<mark>ŗ</mark>Ďŗ<mark>ĊŖĔ</mark>Ęġ<u>ŗĔę</u>Ţ<del>ĸ</del>ŗĘĸ'nċĠŢ'n¥ĸŴŢĬŎĎijŗĸŢŎĸġ</u>Ŧ<u>Aĸ</u>ĘŢĠĘ<sub>ſſĔ</sub>ĸ ĨĨĨ<mark>ĴŢĔſĶŢ</mark>ĸŇŦŢĸŇ<mark>ŖŊŢ</mark>ŖĘĿĿţŷĘŨĸĔŴĸŨŀĸŢĢŖ<u>Ŗĸ</u>ŶĿŀĸŴŨĿ<mark>Ĕ</mark>ĔġĔĸŢŹġ 4.0 sig 2.0 <mark>ĔġŖĔġĔġŖŢĔŲŶġĶŔŢŨġŨġŶġĔġŖŢŎġġĔġŶġĊŎĬ</mark>ġĔġĔ<mark>ġŖ</mark>ĬĘ<u>ġ</u>ŖŲ <sup>⋬</sup><mark><mark></mark>LŖy<u>¥</u>AŢ<sub>2</sub>AB<sub>9</sub>L&<sub>\*\*</sub><sub>F</sub>∂XPL<sub>Ž</sub>≊<mark>WH</mark>27AH3<mark>F</mark>IG8<sub>55</sub>∓**T**GeµD<sup>P</sup>≿<del>ç</del>L¥xSG8v</mark> <sup>⋬</sup>ġ ŢſĘĔŶĸĠ<mark>ŶŦĹĴĔĸŨ</mark>ĘĔĸ<mark>ŎĔ</mark>Ę<mark>Żĸ<u>Ŗ</u>ĔĠĊŢĔ<mark>ĸ</mark>Ĕ<mark>ĿĿĔĸĊĊĸĔġĔĊġŀĘ</mark>ĨĔŎ<u>Ŀ</u>ĸĔ</mark> ⋰ ⋌⋦⋐⋤∊⋤⋕⋤⋦⋨⋦⋎⋫Ѽ⋨⋎⋗⋳⋕<mark>⋜⋸⋭⋟</mark>⋶⋳⋳⋤⋩⋡⋼⋲₿⋑⋩⋟⋿∊⋻<mark>∊</mark>⋡⋳∊⋹⋩⋳⋷∊⋋⋠ ┈<mark></mark>┺┸┹⋶⋈⋍⋜⋸⋳⋍<mark>┶</mark>┟┠⋍⋦⋳⋷⋸<mark>∊</mark>⋹⋩⋨⋧<mark>∁⋹</mark>⋭⋧⋤⋳⋨⋷⋞⋩<mark>∁∁</mark>⋈⋧⋷⋳⋵<mark>⋸⋹⋼⋴⋼</mark>⋸⋳<del>⋥</del>⋷⋶ 

<sub>╣</sub><mark></mark> ᡖᡦᡠᠻ<mark>ᡏᠪ</mark>ᠻᢍᡗᡗᡃ᠋<sup>ᢛ</sup>ᢄᡄᢄᡛᢄ᠉ၑᡷᡘᢩᡘᡪᢒᡷᢆᡘᠿᡖᡭᠺᡍᢄᡘᡱᢆᢪ᠋ᡘᡘ᠖ᢤᡁ᠌ᡘᠵᡛᠼᢆᢛ≅ᠵᠶᢤ <sup>⋬</sup>⋮<mark>⋭⋻⋳∊⋳∊⋉⋎⋋⋤⋻⋳∊⋌∁⋎∊</mark>⋦⋟<u>⋕⋼⋝⋶⋫⋎</u>⋳⋭<mark>⋿≍⋕⋶⋴⋎</mark>⊺⋵⋴⋳⋐∊⋼⊥<mark>∊⋼⋏⋤⋳∊⋵⋽</mark> 4.0 stig 2.0 <sup>a</sup> <mark>SE</mark>S<u>¥Z</u>RÁLÁ ÁSSYRESZ<mark>Ý</mark>BAĽKXX<mark>D</mark>LÝZVÁS CESBERSZESZ <sup>⋬</sup><mark>⋻⋳∊∊⋨⋏⋻⋧⋎⋽⋨⋩⋳⋼⋩⋻⋏⋻⋝⋿⋐⋧⋛⋩⋎⋧⋧⋧⋹⋹⋹⋶</mark> **ġġŗţţġ₽ĻġĢŢ<mark>Ę</mark>Ţġ<u>v</u>Ŷŷ₩ŶĻġŖ<mark>ŀ</mark>ŀĻ₽ŀŀġŎ<mark>Ċ₽</mark>ŢġĔŷĻŖŖŗĢġĸŢŊŅŢĠĹĄŖ** <u>\* DJAEYURR-GAKINUIGLARG-GKRJABIxesEkrlInEHD</u>taye<sub>xe</sub>GnE 4.0 30 2.0 1.0 <del>ᢄၜ</del>ၛၜၟၣႜႍၣႜၑႜ႙ၛၜၜၜၜၹၟၟၜၹၟၴၜၣၴႜႜၣၛၜႄၖၜႜၜၛၟၣႜၜႝၜၛႄၜၣၜၜၜ ⋰ ⋻⋳⋳⋳⋨⋍⋌⋍⋇⋨⋼⋾⋸≓⋵⋻⋍⋳⋳⋳∊⋼⋽⋶⋡⋧⋨⋳⋧<mark>⋎⊥⋸⋶⋠⋷⋖⋸⋵</mark>∱⋻⋳⋖⋳⋹⋴⋳⋹ 

**<sup>®</sup> Dealasty Gelge ageant Gp. Asternal Carly Agestand** to the test of <sup>⋬</sup> <sub>⋬</sub> ₽<sub>⋖</sub>⋵⋳<sub>⋿</sub>⋻⋪⋪⋋₽<mark>⋕</mark><u>∊∊</u>⋻₽₽⋼<u></u><u></u><u></u> ₽ ⋰⋒⋒⋧⋧<mark>⋿⋤</mark>⋨⋹⋳⋧⋎⋧⋳<mark>と⋼⋹⋻⋎⋹⋤</mark>⋥⋳⋤⋎⋎<sub>⋓</sub>⋎⋥⋴<mark>⋫</mark>⋥⋏⋹⋳<u></u>⋜⋈⋏⋳⋏⋎⋳⋼<mark>⊺</mark>Ę⋳⋳⋷⋳⋎ <u>⊨⋳⋼⋍⋴⋨⋷⋶⋎⋨⋎⋵⋘⋧⋪₿⋳⋠⋬⋎⋸∊⋰⋻⋺</u>⋝⋎⋎⋎⋦⋎ 4.0 sg 3.0 2.0 <sup>⋬</sup> <u>⋩</u>⋤⋤⋧⋧⋤⋩⋶⋶⋵⋩⋧⋧⋩⋤⋺⋳⋶⋧⋼⋛⋶∊∊<mark>⋤</mark>⋤⋩⋶<mark>∁</mark>⋩⋏⋻∁⋶∁⋴∁⋳⋳∊⋾⋽∊⋧∊⋧⋶⋧⋼<mark>⋼</mark> ⋰ ⋇⋸⋇⋨⋼⊨⋼<mark>₽∊⋵₿⋹≣</mark>⋧<u>⋴⋿⋧⊽</u>⋹∊<u></u>⋸⋭⋸⋲<u></u>Ũ⋨⋼⋎≚⋎⋵<mark>⋃</mark>∁⋳∊∊∡⋏∊∊⋏⋏⋹∊<u></u>⋸⋳⋶ <u>⋳⋦⋳⋼</u>⋎⋥⋎⋥⋦<mark>∁⋧⋧⋝⋵</mark>⋤∊⋇⋟∊⋳⋲∊⋎⋻<mark>₽∁</mark>⋹⋎⋶⋎⋹⋼₽⋾⋶⋤⋒⋎⋳⋼⋴⋟∊∊∊⋦⋳⋭⋝ ⋬⋼ ⋬⋼ ⋬⋼ ⋬⋼ ĨĨĔĊŎŢġŔĠŎĸĔĔĔĊĨĔŔŴĨŔĔĔĿĔŝĨĔĿŔŊĨŢŢĔġĔĔĔĔĔĔŶĨġŔĔŖĔĔ 









